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The
HEMIST AND DRUGGIST
RETAILER - WHOLESALE - MANUFACTURER

ed 1859

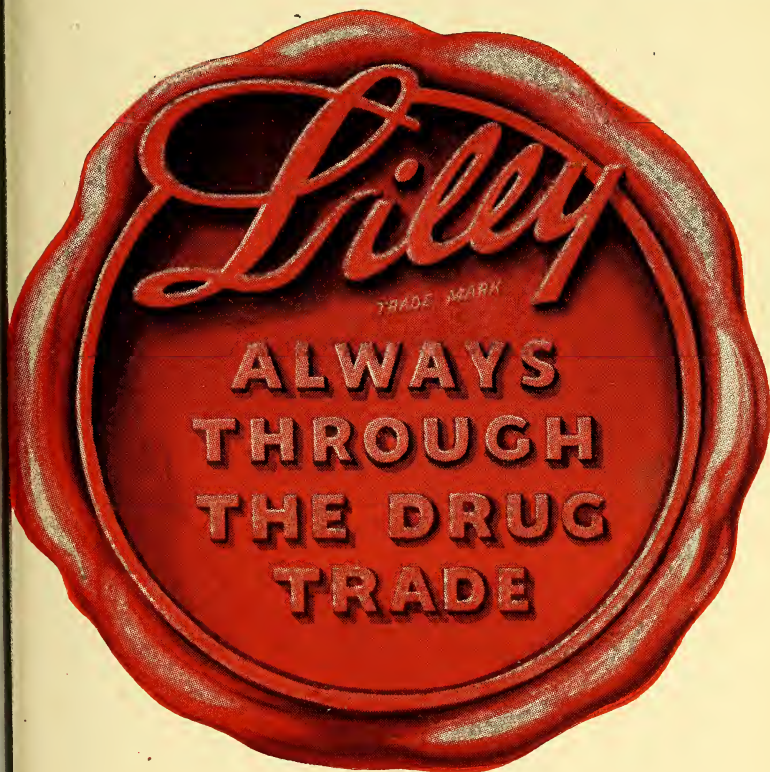
28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

25
LIV

SEPTEMBER 29, 1945

Annual Subscription (with
Diary) 25/- Single Copies 9d.



For more than sixty years it has been the Lilly Policy to make products of the highest quality—to improve old products and create new ones to meet the changing needs of the medical profession, and to distribute these products only through professional channels

LI LILLY AND COMPANY LIMITED
BASINGSTOKE, HANTS

MATHERS FOR PLAISTERS



TRADE

MARK

SPECIALITIES

★ **'WILMATH'** Reg.
ADHESIVES AND POROUS

★ **'MATHAPLAST'** Reg.
ELASTIC DRESSING

A non-slipping comfortable antiseptic wound dressing,
easily applied. Retails 6d. & 1/-. Also supplied 1 yd. packs.

★ **'CROCUS CORN COMFORT'**
(Registered Design)

WILLIAM MATHER LTD. DYER STREET,
CHESTER RD., MANCHESTER 15, ENGLAND
Established 1826

Telephone: Blackfriars 6168. Telegrams: "Balsamic, Manchester."

BACKSTAGE

Thought," said Emerson, "is the seed of action." One might add that thought is also the essence of all successful business.

The present range of Simpson products, for example, is the outcome of an immense amount of thought. These products are more than pharmaceutical commodities. They represent the scientific application of marketing principles—products designed to appeal to the millions and which do their job.

Your customers would probably be astonished if they knew what infinite pains have gone into thinking them out. You, perhaps, are not surprised. If you have seen the steady upward trend of Simpson sales. The advertising (as much as the rationing of space permits) has been conservative in claims but forceful in generating sales energy. If space had permitted the advertising to be ten times the space (as it will be in post-war years) the full results of our efforts would have been manifest. We must wait for that happy day. But the right

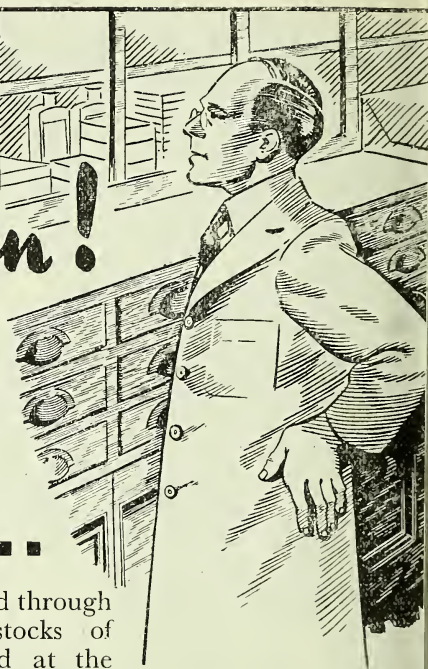
foundation is there—thoughtfully planned products. And as soon as there is more advertising space available we expect, indeed, we know, tremendous sales will result, for we shall continue to buy every inch of space we can get.

You, too, have to think, and think hard, when doing your buying. Perhaps, in these days of staff shortage, you wish that buying could be delegated. But it can't. It is a vital, unavoidable job which absorbs much of your time. Only you *can* do it.

Yet how much easier buying becomes when the lines offered to you have as much thought behind them as Simpson products—when you know there have been marketing tests to prove their appeal and countless trials by representative groups of users. How much safer it becomes when you appreciate that one cardinal point in Simpson's policy is that if a retailer overbuys and finishes the season with any surplus, Simpsons will take it back on full credit, provided only that it is in saleable condition. And don't forget—if it's Simpson's, it's C.F.

*Announcement by J. W. Simpson (Chemists) Ltd.
Iodine House, Museum Street, London, W.C.1*

Gentlemen! look to your stocks....



Many a fine turnover has declined through shortage of supplies. Your stocks of Beecham's Pills may look good at the moment—but where will they be when your next delivery is due? Cutting things fine entails the risk of being without—and that means unsatisfied demand passing down the street, buying where stock happen to be good. Please make check on your position now—and when you order Beecham's Pills order well

**Maintain good
supplies of**

Beecham's Pills

WORTH A GUINEA A BOX

VETERINARY

EVANS

PRODUCTS

Be ready for increased demands for

EVANS LAMB DYSENTERY VACCINE

Farmers and stockbreeders have found from practical experience the effectiveness and value of Evans Lamb Dysentery Vaccine. In the coming weeks, increased calls will be made for supplies. Place your orders now to ensure that you have sufficient stocks to meet the autumn demand.

EVANS LAMB DYSENTERY WHOLE CULTURE VACCINE

for inoculation of ewes in the autumn, and also for injection 7-10 days prior to lambing in the spring.

Dosage 5 c.c.

		Retail	Wholesale
Containers of 50 c.c.	3/9 each	30/- doz.
Containers of 250 c.c.	13/4 "	106/8 "

EVANS SONS LESCHER & WEBB LTD

FINE CHEMICALS • BIOLOGICALS • PHARMACEUTICALS

★ Take the short cut! ★

This may well be Britain's hardest winter, from the food point of view. Nevertheless, no one need go short of fats and vitamins, because there is now plenty of home-produced SevenSeaS.

But supplies must be where the public can get them—in the shops. Last winter many dealers had to refuse custom because supplies had not reached them, though there was no shortage of the oil itself. Transport and manpower difficulties were to blame, and these are not likely to be greatly eased in the near future.

Take the short cut — via our Direct Delivery Service. That way, you get supplies with the minimum of delay. Orders are sent direct from our Hull refinery to you, and charged through your usual wholesaler.

SevenSeaS advertising has commenced

This widespread Press advertising campaign will continue throughout the winter months. These advertisements will remind the public that SevenSeaS — a far richer natural source of fats and vitamins than butter or new laid eggs — is the only unrationed priority food they will be able to buy this winter.

This advertising, plus the public's undoubted awareness of the great nutritive value of cod liver oil, is likely to start a very early demand for SevenSeaS. We urge you to order in good time. Please write direct to us for order forms.

STANDARD OIL:

Vitamin A 20,000 I.U.; Vitamin D 2,500 I.U. per ounce.

CONCENTRATED:

Vitamin A 60,000 I.U.; Vitamin D 6,000 I.U. per ounce.

Issued by

BRITISH COD LIVER OIL PRODUCERS (HULL) LTD.
ST. ANDREW'S DOCK, HULL

Makers of

SevenSeaS



Fair Play & Fair Profit!

PATA

Will the end of war-time conditions of short supply see a recurrence of price-cutting to undermine the standards of people and traders? We join in the hope that such conditions will not materialise. What is perhaps more important to the chemist is that we are ready to tackle them if they do.

YOU CAN RELY ON 'ASPRO'

'ASPRO' has not allowed its price maintenance organisation to rust or lose efficiency. Throughout the war the same scrupulous control that made 'ASPRO' "red-hot" for the price-cutter and the cleanest line for the honest retailer, has been operating in the national interest. Now it is ready to go into action instantly at the first sign of a recurrence of price cutting.

We are proud of the appreciation expressed by retailers and wholesalers alike of the service rendered them by this special branch within our organisation. Just as the public rely on 'ASPRO' for purity, safety and efficacy, so the chemist can rely on ASPRO Limited for fair price and fair profit which is protected with vigour and efficiency.

'ASPRO'

Made by ASPRO LIMITED, Slough, Bucks

Telephone: Slough 22381

ASPRO



Athlete's Foot and Infected Skin Diseases

ESoBAN U.F.I

Southon

This product consists of 25% U.F.I.—the new bacteriostatic—incorporated in ESoBAN Ointment. It is specific in many skin diseases especially fungoid affections, Pruritus, Impetigo, etc. Also as a first aid dressing for minor burns.

**Retail: Small 3/4, Large 12/6
including Purchase Tax**

Sole Distributors:

S. F. THACKRAY LTD., PARK ST., LEEDS, 1

A Product of

SOUTHON LABORATORIES LTD., LONDON

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(continued overleaf)

British Schering

PRODUCTS

*consistently prescribed
by the medical man*

Dispensing service needs to be not only accurate but prompt. The following British Schering products are in full supply. To dispense them from stock is appreciated by prescriber and patient alike.

ALBUCID	CYLOTROPIN	PROGYNON B.	OLEOSUM	THYROXINE
ARCANOL	FORTAMIN	PROLUTON		UROSELECTAN B.
ATOPHAN	MEDINAL	PROLUTON C.		UROTROPIN
ATOPHANYL	NEUTRALON	SOLGANAL B.	OLEOSUM	VALISAN
CHLORYLEN	NOVATOPHAN	SYNTHALIN B.		VASANO
CORTIRON	PROGYNON	TESTOVIRON		VERAMON

British Schering price list will be sent on receipt of a penny stamp (paper restrictions).

BRITISH SCHERING LIMITED



185-190 High Holborn, London, W.C.1

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Modern Foams

Detailed literature on request

Anionic

Sulphosal range: Sulphonated lauryl stearyl alcohols.

M.A.S. (Methanol aminial stearate).

Strong stable foam suitable for soap bases, detergents, skin cleansing, shampoos.

S.S. and K.S. Other anionic foaming agents for shaving preparations, etc.

Nonionic

P.G.S. (Polyglycol-stearate).

Foams unaffected by acids or alkalies, suitable for incorporation with other foaming and surface active agents of all types in order to stabilise and increase their foaming power. Modern dermatological cleansing agent.

Kationic

Quarternary ammonium salt range of foaming agents and detergents, including bacteriocides.

C.T.A.S. (Cetyl trialkyl ammonium salt) base for antiseptic washes, especially cow udder washes, skin disinfectants, etc.

P.T.A.S. (Phenyl trialkyl ammonium salt). Active in killing bacteria in concentrations as low as 1 in 50,000 or less.



WATFORD CHEMICAL CO. LTD.

30 BAKER STREET, W.1

Telephone: WELbeck 6878



"I know it is difficult"

**RENDELLS
SILATEX
SANTRON
MENSINOLE**

Your customers continually ask for **SILATEX** and **SANTRON** and yet you cannot obtain sufficient supplies to meet the demand. We are doing our best to arrange distribution to wholesalers so that all Chemists obtain their fair share. The demand is ever increasing but the shortage of raw material is a matter we know you will understand.

There is no shortage of **RENDELLS** or **MENSINOLE** and all Wholesalers now have ample stocks, so continue to display Rendells Products for Feminine Hygiene. It creates new customers and gives confidence to regular users.

Special Chemists' Display Material is still available, so write to-day for a supply.

RENDELLS PRODUCTS

PATA

For Feminine Hygiene

J. RENDELL LTD. HARDWICK HOUSE, 161-5 ROSEBERY AVENUE, LONDON, E.C.1



OUR LONG
EXPERIENCE
IS PLACED
AT YOUR
SERVICE

Founded 1839

WHAT'S BEHIND A NAME?

An organisation that has achieved widespread recognition as one of Britain's foremost manufacturing and export chemists

PILLS & TABLETS - - - PACKED GOODS
'OWN NAME' FORMULÆ

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ARTHUR H. COX & CO., LTD. BRIGHTON

A SURE SELLER

MOROVIN

THROAT TABLETS

are really effective for

SMOKERS' COUGH, SORE THROAT
and throat irritation generally

The attractive display outer on your counter will bring quick sales; the efficacy of the tablets guarantees repeat sales

MOROVIN Throat Tablets contain Benzocaine, Borax and Menthol in a sweetened base, pleasantly flavoured with Liquorice and Anise



Tins of 25 tablets sell at $1/11\frac{1}{2}$ (inc. Tax) and are packed in attractive outers, holding 2 dozen tins

Orders can be executed immediately from Stock.

P.A.T.A.

MOORE MEDICINAL PRODUCTS LIMITED
ABERDEEN SCOTLAND

FENNINGS

FAMOUS FOR OVER 80 YEARS

PATA.

- FENNINGS' FEVER MIXTURE** **1/3** a bottle
(If difficult to obtain write direct to Messrs. SUTTON & SONS, 12 Brandon Rd., London, N.7.)
- FENNINGS' LITTLE HEALERS**
For Coughs, Colds, Bronchitis, etc. **3/-** glass tubes and **6/-** Carton of 12 Packets, retailing at **6d.** each.
- FENNINGS' OINTMENT.** Demand Steadily Increasing
For Cuts, Burns, Bruises, Chilblains, and all skin irritations. **1/3** a tin
- FENNINGS' WHOOPING COUGH POWDERS** } **1/3** and **3/-** boxes
- FENNINGS' WORM POWDERS** }
- FENNINGS' STOMACH STRENGTHENERS** }
- FENNINGS' RHEUMATIC AND ERYSIPELAS DROPS—** **1/3** a bottle
- Please address orders and inquiries to your Wholesaler*

N.B.—FENNINGS' COOLING POWDERS (Children's and Adults')
are at present in short supply, owing to war conditions, but every endeavour is being made to execute orders

PROPRIETORS: THE TRUSTEES OF ALFRED FENNINGS (DECEASED)
COWES, Isle of Wight

A tin of BESORBON, please

'People say BESORBON is good'

Do you stock BESORBON?'

'I've heard BESORBON is excellent for Colds'



Demand for BESORBON medicinal snuff increases during the winter, and a display on your counter is a further reminder. Order by the dozen to obtain this attractive counter display box. Available through all registered Wholesale Chemists

WHOLESALES LTD
CHEAPEST LONDON E.C.



Here is the larger of the two packs of Daisy Tablets which may become more popular than the neat and trim 3/4d. size. You will like the new 1/3 pack. A really good formula (A.P.C. with Piperine—perhaps the best of all A.P.C. combinations), a first-rate pack—a popular price and generous profit.

UNIVERSALLY ADVERTISED

Limited supplies of this handsome display carton are still available and will appeal to the Chemist who seeks to establish the 1/3 Price Standard. Order from your Wholesaler: 1 Display Carton (1 dozen), 1/3. Daisy Tablets at 9/6, plus Tax. (P.A.T.A.).

J. E. ELLIS LTD., HORSFORTH, LEEDS

WE ARE BACK AGAIN

In future please address all communications to

**INTERNATIONAL
LABORATORIES Ltd.
1-3 SMEDLEY ST.
LONDON, S.W.8**

Telephone: Macaulay 5035 and 5101

AGAIN NATIONALLY ADVERTISED

"FERUTE"

CHILDREN'S COUGH ELIXIR

**ROSE HIP AND BLACK
CURRANT SYRUP BASE**

Approx. Active Ingredients:

Ext. Scill. Liq. 0.208%
Ext. Ipecac. Liq. 0.042%
Liq. Tolu. 3.33% Acid
Phosph. 0.125% Acid Acet.
Dil. 0.5% Glycer. 17.5%
Conf. Ros. Can. 3.5%

RETAIL: 1/6½ & 2/9 per bottle
including tax
COST: 10/6 & 19/6 per dozen
plus 16½% P. tax
BONUS: 13 to the dozen on
assorted gross lots



HOUGH, HOSEASON & Co., Ltd.

CHAPEL STREET, LEVENSHULME,

MANCHESTER 19

MEMBERS OF THE P.A.T.A

**Every Cough
is a Call★
for**

**KAY'S
LINSEED COMPOUND**

★ To enable you to satisfy more of the "calls" at your own counter, preference in production is given to the 1/5 size, and supplies of the 3/5 size may be intermittent.

LECIFERRIN LTD. wish to announce that they have taken over the sole manufacturing and distribution rights of

Leciferrin
FOOD TONIC
TRADE MARK

**THE RECOMMENDED IRON-
LECITHIN TONIC**

LECIFERRIN is now obtainable in
8 oz. bottles retailing @ 5/6½d.
including purchase tax

Special quantity terms and Window Display
Bonuses are available to all Chemists who are
interested in making this first-class preparation
an excellent selling line

LECIFERRIN continues to be on
the C.F. List

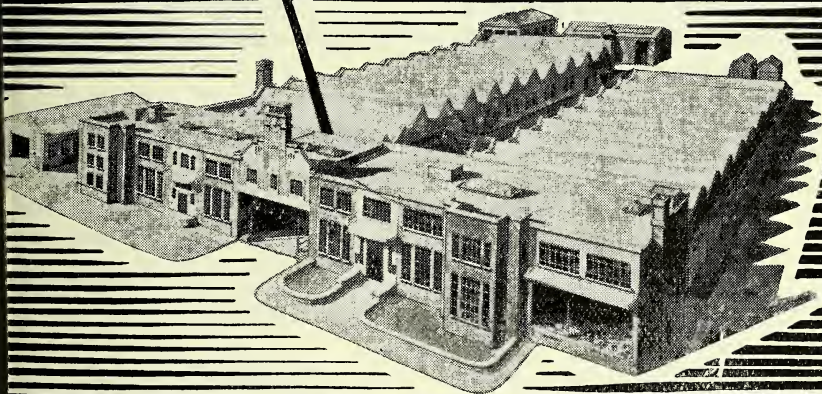
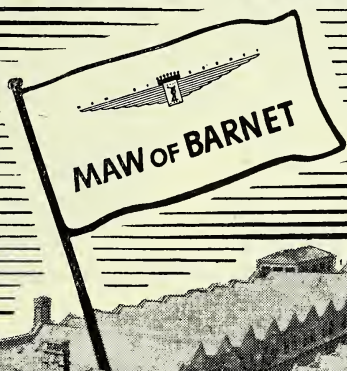
Please send all inquiries to

LECIFERRIN LTD.

4 John Adam Street, London, W.C.2



The House of Maw



*Best possible service
under present conditions!*

S. MAW, SON & SONS, LIMITED,
ALDERSGATE HOUSE, NEW BARNET, HERTS.
TELEPHONE: BARNET 5555. TELEGRAMS: ELEVEN, BARNET.



CUSTOMERS *WANT* THE LARGE 24' SIZE *You can order it!*

We are pleased to draw attention to the fact that

5/- and 24/- Bottles of
CURICONES
are always available through all
leading wholesalers

We draw special attention to this because, in recent weeks, many instances have come to light of intending purchasers being informed that these sizes are unobtainable

ORDER THROUGH YOUR USUAL
WHOLESALE

CURICONES

For the relief of Rheumatism and kindred troubles

STEPHEN MATTHEWS & CO., LTD.
19-21 FARRINGTON ST., LONDON, E.C.4

'SURE SHIELD'



Products

Due to shortage of supplies, combined with the curtailment of our staff, we wish to assure our many trade friends that we are using every effort to maintain an equitable distribution of our Products.

Please Note

- 1st. All Orders are forwarded in strict rotation, and we are now 15 weeks behindhand in delivery.
- 2nd. Due to the position, all additions can only be treated as separate orders.
- 3rd. When writing with reference to an order on hand, please give **exact date** when sent on.

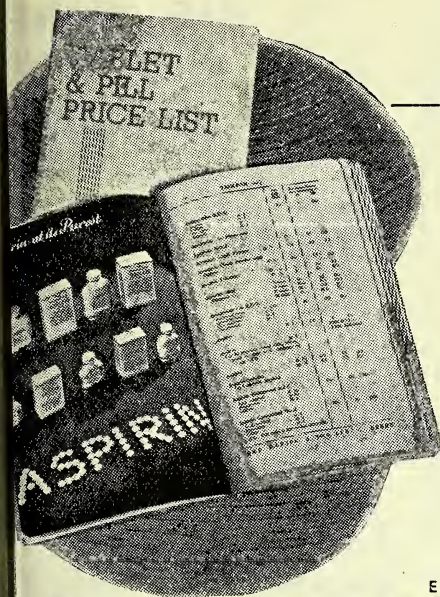
"SURE SHIELD"

Registered Trade Mark

IODISED THROAT TABLETS
FRUIT LAXATIVES
GLYCERINE OF THYMOL
PASTILLES

PASTILLES LOZENGES
TABLETS

Thos. Guest & Co. Ltd. *Manufacturers*
Chemists
Carruthers Street, Manchester,



JUST OFF THE PRESS

We take pleasure in announcing the issue of our latest Price List of Pills and Tablets including as it does almost all formulas in demand for both counter sale and dispensing purposes.

(Copies available—Price 1d.)

(Control of Paper Order)



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ESTABLISHED 1860 • DERBY 4266-8

AMERICAN ROLAND CORPORATION

HUDSON STREET, NEW YORK 13, N. Y.

Pharmaceutical Chemicals
Alkaloids
Hormone and Endocrine Products
Vitamin Products
Botanicals and Drugs
Essential Oils, etc., etc.

Cable Address: Bioroland New York

Why will people keep on writing like this?

From Mrs. N. F., South Shields. (Ref. 78):
"two years I have been crippled with
rheumatism and I can assure you after
a week's Sun-Spa treatment I have
got out without my walking stick."

Wonder SUN-SPA SALTS are selling!

Packed in 3d. Packets and 1/6 Tins

Distributors for the Pharmaceutical Trade—
V. W. SON & SONS, LTD., NEW BARNET

NIKETHAMIDE LEMKE

(Acid Nicotinic Diethylamide)

(Diethylamide of Pyridine-beta-carboxylic Acid)

LEMKE NIKETHAMIDE represents a product of the highest quality and uniformity, which accounts for the fact that most users specify Lemke label.

Free from odour and colourless, LEMKE NIKETHAMIDE passes the tests for diethylamine, nicotinic acid, pyridine, free acid, free amide, chlorides, nitrates, ash and foreign impurities.

Assay (based on nitrogen) -99.0-100.0%
pH of 25% aqueous solution at 25°C-6.0-6.5
Refractive index at 25°C-1.522-1.524
Specific Gravity at 25°C-1.058-1.066

LEMKE NIKETHAMIDE is available in pound or kilo packing, at economical cost.

Inquiries welcomed

B. L. LEMKE & CO.

Manufacturing Chemists and Exporters of Fine and Rare Chemicals

248-250 West Broadway, New York 13, U.S.A.

Cable Address: LEMORTEX, all codes



"ZEMS"

HERBAL LICORICE TABLETS

THE BEST MEDICATED TABLET
FOR COUGHS, COLDS
ASTHMA, BRONCHITIS, ETC.

*Supplies may be obtained from C.F.
Wholesale Houses*

ZEMS, LTD.

718-724 Seven Sisters Road, London, N.15

GROUND

DRIED YEAST

MIDGLEY & PARKINSON, LTD.
WARREN WORKS, PUDSEY, LEEDS

THE BIG THREE HOUSEHOLD LINE



VALZONE

Liquid Bleacher

*"The very able
Labour Saver"*

The great household help—make plain woodwork, sinks, bath lavatory basins, etc., spotless white, disinfects and deodorises. Retail at 1/4 (26 ozs.)

NEVILLES AMMONIA

—the perfect Ammonia. In oz. bottles.

NEVILLES FLY KILLER

means certain death to flies, wasps, moths, etc. In 8oz. bottle

Generous terms to both wholesale and retail trade.

MACPHERSON TRAIN & COMPANY LTD

Adelaide House, London Bridge, E.C.4.

Mansion House 8621 (six lines)

DETTOL BRAND
OINTMENT
HEALING AND ANTISEPTIC

MILLAMALT

Sole Manufacturers.
JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN, London Dept. 19 Brookside Road, N.15

The **VITAMIN
MALT FOOD**

With Vitamins (A. 6,500 I.U., D. 400 I.U.)
per fl. oz.

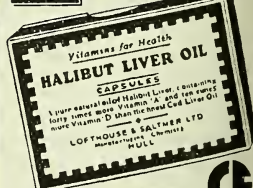
HALIBUT LIVER OIL CAPSULES

We can still supply by return of post.

Boxes of 24 Capsules 11/- doz., 60, 22/- doz.,

LOFTHOUSE & SALTNER LTD. HULL

PATA





Have you weighed up the idea of making the dogs and cats in your district into customers? Pet welfare is becoming an increasing public interest. Pet owners are consulting experts about the health of their dogs and cats. Every chemist can turn these facts to profitable advantage by stocking George Bell's Blood Salts for Dogs, and Cat Powders

Send for trade price list to

BELL & SONS, LTD., Veterinary Chemists
LIVERPOOL 13

GEORGE BELL'S
BLOOD SALTS *for Dogs*
CAT POWDERS

QUIZ
TOOTHBRUSH
cleans them ALL!

Already wide interest is being shown in the "QUIZ" National publicity. "QUIZ," the Teethbrush, because it cleans them **ALL**!—will have a big sale when production can become more normal. And remember it is backed by a name you can trust—ROONEY!



ROBT. A. ROONEY & SONS, LONDON, E.17.

Continuous and Steadily Advertised Goods FOR DESTROYING RATS AND MICE

DANYSZ VIRUS

Retail Price (Protected) Net Wholesale Price
Virus for Rats and Mice, single tube, 2/- 15/- per doz.

3 tubes, 5/-
Virus for Mice only single tube, 1/6 9/-
3 tubes, 3/-

Date-expired tubes returned to us postage paid will be exchanged free of charge.

Danzysz Virus in Liquid Form

Retail Price Wholesale Price
Bottles 6/- each 4/6 each
" 4/6 " 3/9 "

HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER

Discount off Retail Prices 25% Monthly Account, or 33 1/3% Cash with Order.

	Retail	Monthly A/c	Cash with Order
1/2 gall. tins	10/-	7/6	6/8
1 " "	18/-	13/6	12/-
5 " "	80/-	60/-	53/4

DANZO BEETLE POWDER

For destroying Blackbeetles, Cockroaches, Crickets, etc.
Retail Prices (Protected) Wholesale Prices

In cartons 9d. each 6/9 per doz.
" 1/6 " 13/6
" 3/- " 27/-

Danzo Beetle Powder will not deteriorate by keeping.

CARRIAGE PAID ON ALL ORDERS

To be obtained from

HALLER LABORATORIES, LTD.

325 Borough High Street, LONDON, S.E.1

Telegrams: "Virudana, Sedist, London." Telephone: HOP. 3717

Beaucaire
shows

A Handsome Profit ★ A Quick Turnover ★ No Competition with usual Lines

Beaucaire—the amazing dry cleaner—brings you new business. It does not compete with your standard everyday selling lines. Beaucaire will also bring new customers into your shop. It helps the sale of other lines and boosts turnover.

Beaucaire removes dust, grime, grease, spots and stains from all manner of wearing apparel and household furnishings without leaving a trace. It does not harm delicate fabrics or alter the colour. It is guaranteed **NON-INFLAMMABLE**. Beaucaire is widely advertised in Press and periodicals. At the moment sales outstrip supplies but the supply position is improving. Write for particulars and trade terms.

BEAUCAIRE

The Amazing Dry Cleaner

Retail Prices: 1/- & 2/- per bottle

BEAUCAIRE LABORATORIES

VAUXHALL GROVE, LONDON, S.W.8



LABELS OF DISTINCTION

FOR WHOLESALE MANUFACTURING
& RETAIL CHEMISTS

Medical and Dispensing Labels, Toilet, Cosmetic and Perfume, largest range of stock labels (attractive two-colour 50-60 wordings), Shampoo Powder Envelopes and Inners, also Saccharine Tablet Envelopes (new wording), with name and address. We can also offer multi-coloured advertising stamps in exclusive designs.

NEW REGULATIONS—
Send 6d. for complete
sample range

CARILLON PRESS LTD

Artists in the Production of Fine Labels
BOURNEMOUTH

Business Asset...

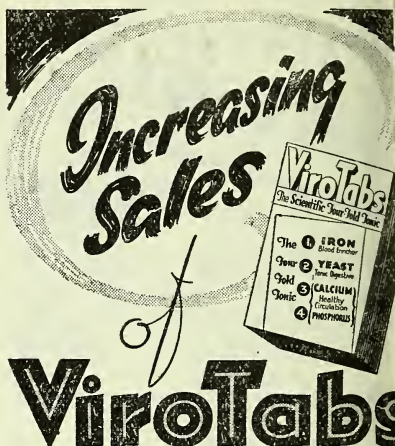
You will certainly find it a Business Asset to stock these Luminos lines, all available from time to time. Please order well in advance to ensure your stock.

ESCORT Magnifiers & Readers
Watchmaker, Handy, Stand and Rim
CENTROLITE Moulded Condenser Lenses
LUMICRAFT SUN-GLASSES
BELSIZE Industrial Barometers
ALL-STEEL TOOL CABINETS
Also for, Leica, Contax, etc.
CRESCENT Handy Wall Thermometers
DEVELUMETER Perfect Photo-Thermometers
OMNICUT Tool Knives & Tool Scissors
PICCOLO Aircraft Tweezers, various shapes
OPTICAL FRAMES & SUNDRIES

The following will help you in ordering; General List, over 40 lines, 2d; Sun Glasses Price List, 1d; Optical Trade Price List, 1d

LUMINOS, LTD.

45 BELSIZE LANE, HAMPSTEAD, N.W.3
Phone: Primrose 1652



Increasing
Sales

ViroTabs

The Scientific Your-Body Tonic

The 1 IRON
2 YEAST
3 CALCIUM
4 PHOSPHORUS



A daily demand is being created for ViroTabs. An attractive Pack backed up by distinctive display material and attractive press advertising will mean steady sales for you.

Write for details to
M. CALTHORPE & CO., LTD., OSSETT, YORKSHIRE

EIRE

HOW DO
YOU PRONOUNCE IT?

—of course it rhymes
with SARAH!

But really that is not the important point. It is pronounced a good and satisfactory market. Are you satisfied with your distribution? We offer you first-class coverage—a team of live travellers, and quite as important—goodwill. If you have a first-class line to interest the Chemist and your terms are right, we will do a good selling job.

M. G. BAYNES & CO. LTD.
Manufacturing, Wholesale & Distributing Chemists
23 EAST ESSEX STREET, DUBLIN



Reproduced is a section of the July 1944 "Statistical Review"—THE recognised authority for quarterly estimates of Press advertising expenditures (grouped in some 230 odd tables) of national advertisers.

Further Evidence that IT PAYS TO DISPLAY

The slogan 'It pays to display ADVERTISED goods' is perhaps hackneyed yet, nevertheless, true. It is, therefore, logical that the more heavily a product is advertised, the more it pays to give larger and more frequent displays. By arranging counter and window shows to 'tie up,' full advantage is taken of the extensive national advertising support. When it is also a 'good profit' line, such displays are, of course, even more worth-while.

All these points apply in full measure to KOLYNOS DENTURE POWDER and DENTURE FIXATIVE. As the above reproduction indicates, they are the most heavily advertised products of their kinds in Great Britain. May we, therefore, ask for your co-operation in arranging suitable displays—to our mutual advantage?

KOLYNOS

Denture **POWDER &
Denture** **FIXATIVE**

Sole Distributors:
KOLYNOS (Sales) LTD.,
12 CHENIES ST., LONDON, W.C.1

Perfumery Raw Materials for Soap and Cosmetic Manufacturers

CARVANSONS LTD.

Monton Lane Works, Eccles, Lanes.

Phone : Eccles 2316.

Grams : Carvansons, Manchester

EUCRYL

DENTIFRICES



BOUGHT ON DISPLAY TERMS YIELD
PROFIT ON :—

SELLING PRICE

BUYING PRICE

39%

63.6%

Eucryl Tooth Paste has an increasing Sale.

**EUCRYL LTD.
SOUTHAMPTON**

CORKS!

STOPPERS. ETC.

C. OLLEY & SONS LTD.
CAMPERDOWN ST. & GT. ALIE ST.
LONDON, E.1
Established 1844

FRAGRANT TONIC HAIR CREAM

MAKES THE HAIR BEHAVE

MY LADY'S VANISHING CREAM

For loveliness and charm—Delicately perfumed.

Setting Lotion, Solid Brilliantine, Brilliantine,
Cold Cream, Cleansing Cream, Antiseptic Balm.

LABELS FOR THESE LINES—6/- per gross.

PERFUME — COLOURING — BOTTLES — JARS.

EMULSIFIERS—Needing hot water only to give
excellent preparations as above. Send stamp for
details to—

BRICCAS LIMITED

4 CAVENDISH PLACE, LONDON, W.1



With the War in the East over and the World at Peace we would like to renew our thanks for co-operation received from both Wholesale and Retail Chemists over the past six troublous years.

In view of world shortages, it is not to be expected that supplies can be augmented immediately and we ask Chemists not to be discouraged or blame their Wholesalers if all the 'Ex-Lax' ordered is not always forthcoming.

The total we are able to produce, even now, still does not satisfy the ever-increasing demand, so there are bound to be times when Wholesalers cannot cope with all their customers' requirements.

We have "rationed" 'Ex-Lax' in the fairest way—there is no centre in the country that does not receive its full quota commensurate with past purchases, and Wholesalers, for their part, are spreading allocations as evenly as possible.

EX-LAX LTD.,
SLOUGH, BUCKS.

★ N.B. Any Chemist who is ever entirely without 'Ex-Lax' should send us a post card and we will do our best to ensure supplies coming through.

Why you should Sell
WANDER
— BRAND —
MALT & COD LIVER OIL



OF UNSURPASSED QUALITY

THE supreme pharmaceutical excellence of Wander Brand Malt Extract and Cod Liver Oil, the outstanding preparation of its kind, has for many years been widely recognised by physicians.

The Cod Liver Oil used is the best obtainable and the malt extract is specially prepared by A. Wander Ltd., who are probably the world's largest producers of medicinal malt extract and are leading authorities upon its manufacture. These two ingredients are combined in the proportions most generally required by the medical profession.

Both in its attractive appearance and toffee-like flavour, Wander Brand Malt Extract and Cod Liver Oil is readily acceptable to children and adults. In every respect it is a product which the pharmacist can recommend with the fullest confidence.

On the P.A.T.A.

Wholesale Prices: 1 lb. Jars 18/9; 2 lb. Jars 35/6

Exempt from Purchase Tax

Retail Prices: 1 lb. Jars 2/-; 2 lb. Jars 3/10½

For further details write to:

A. WANDER, LTD.

**5 & 7 Albert Hall Mansions
London, S.W.7**

TOMORROW'S TRADE

One of the COTY advertisements now appearing in the Press. They do more than remind — they are stimulating interest for 'tomorrow's' trade.



DINNER AT EIGHT

And her make-up will be fresh at midnight

How many times do you have to repair your make-up between 8 p.m. and midnight? Are your evenings out spoilt by worrying whether you are still looking your best? Even the most careful make-up will wilt if the wrong foundation is used.

Coty Foundation Cream being of the non-vanishing and non-

greasy kind, stays on the surface and creates a barrier between your powder and your pores. Your make-up cannot vanish. You can depend on Coty Foundation Cream — it's the carefree cream.

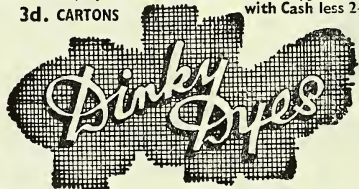
Coty
FOUNDATION
The base of make-up

CREAM
confidence

PROFIT BY CRIPPS'S WARNING

Sir Stafford's recent announcement that the next issue of Clothing Coupons may have to last for a longer period is bound to stimulate Home Dyeing. DINKY DYES are already one of the most popular means of Coupon Saving, now they will sell better than ever. Demand, too, is being strongly re-inforced by powerful National Advertising. Send 2½d. today for Shade Card and Sample Carton

TERMS: 27/- per gross. 5 gross less 10%. Orders with Cash less 2½%
3d. CARTONS



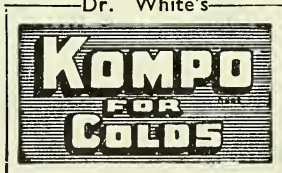
S. TATLOW & CO., LTD., ECKINGTON, SHEFFIELD

BENJAMIN BROOKS & CO.

have pleasure in announcing that they have been appointed Yorkshire agents for CARIA RADIUM and BLUE MASK products and invite enquiries from wholesale and retail Chemists. Also SOLE DISTRIBUTORS of NERVOIDS for the relief of pain. FLUVIODS safe remedy for colds and 'flu. KIDDILAX kiddies' fruit flavour laxative. LAXAMINT sucked like a peppermint. ARROW Brand Digestive tablets. J.A.B. Brand Bronchial tablets. Make certain of your stocks of these sure-selling lines by ordering early. Orders taken in strict rotation.

2 Briggate, Kirkheaton, Huddersfield

—Dr. White's—



Manufactured only by

J. F. WHITE & CO., LTD.

Lovington Laboratory, Benson St., Leeds, 7

SALTER Self-Indicating Personal & Baby SCALES



Now sold by licence for essential use
Details on request

GEO. SALTER & CO. LTD.,
WEST BROMWICH

M-W. 8

LIVERPOOL SCHOOL OF PHARMACY

2 Blackburne Place, Liverpool 8
Preparation for the Intermediate and Qualifying Examinations. 9 months Courses for each of above Examinations are about to commence. Students will be registered on Sep. 27, 28 and 29

Apply to
H. Humphreys Jones, F.R.I.C., Ph.C., F.C.S., Principal

BATTLE'S VERMIN KILLER

IN PACKETS

5d., 9d. 1/3, 2/6, 5/-, P.A.T.A.

WHOLESALE AT

3/- 5/6. 9/-, 18/-, 36/- per doz.

Order some today from your wholesaler

The "SCIENTIFIC MARVELS" containing GAMMEXANE the most active and effective insecticide known.

"TICK" INSECT POWDER
(Household)

"VET" INSECT POWDER
(for poultry and animals)

GENEROUS PROFITS

FROM YOUR WHOLESALE OR DIRECT

RODMILL CHEMICAL CO., LTD.

49 ST. ANNE STREET, LIVERPOOL 3
Export Enquiries Invited.



IODINE •
IODIDES •
POTASSIUM • SODIUM • IODOFORM

progress, and with it experience, is necessary to give confidence to customers during these difficult days.

We have made that progress, and gained with it that experience which enables us to give the best possible service to all in the trade.



Potter & Clarke Ltd.
 60-64 Artillery Lane, London, E.T.
 77 Dantzic St. Manchester, 4.

POST-WAR MARKET NEWS

summarising post-war opportunities, special notices, new packaging and new products

To Overseas Customers

WE do Seals and Labels of many descriptions, and aim at originality for each design, so we have no catalogue of them. We are glad to send samples, if Overseas Customers will say, in their first enquiry, the actual products for which the seals or labels are wanted, and the approximate quantities. We can then let our Overseas Customers have, straight away, the samples and quotations needed to label their goods.

W. SESSIONS LTD., Ebor Press, YORK

A reputation for reliability . . .

"Sentinel"

ALL COTTON WOOL

SANI-TOWELS

"with the soft seamless knitted covering"

SIZES 1, 2, 3 AND MATERNITY also

'KUMFEX' SOLUBLE (all with loop ends)

★ Supplies unfortunately restricted at present

SPLENDOR LTD. Nottingham & London

Plastic Lipstick Cases

Beautifully finished, 9d each plus 100% tax. Sample post free 2/-

Clyde Utilities Ltd

187a West George St Glasgow

Disinfectant Spray Outfits

Consisting of Spray, Bottle and Essence, retailing 9/6, discount 25%. Ample show material. Sample outfit post free 10/-

Clyde Utilities Ltd

187a West George St Glasgow



Eau de Cologne and Beauty Aids

BLUE AND GOLD LABEL
MADE IN ENGLAND

All enquiries to:—

R. J. REUTER COMPANY, LTD.
"4711" FACTORY, SLOUGH, BUCKS

PATA

HALMAGON

Brand

Tablets

**CELL NUTRIENT IS
AGAIN IN SUPPLY
ASK YOUR
WHOLESALER**

4-Tube Box ... 3/11½
15 " " " 11/10
(Including Purchase Tax)

Sole Distributors:
MARSHALL'S PROPRIETARIES LTD.
41/43 DOCKHEAD, LONDON, S.E.1

THERE IS NOT SUFFICIENT

Beaulah's

**FAMOUS
MALTED
MILK**

**FOR ALL THE PEOPLE
WHO WANT IT**

Our policy therefore is to distribute
all available supplies to our Chemist
Friends only

In one popular size only during
the war, 2/-

J. & J. BEAULAH LIMITED,
BOSTON, Lincs.



Introducing

'TABLOID' BRAND

CYCLOBARBITONE

Cyclobarbitone is the approved non-proprietary name for 5-ethyl-5-cyclohexenyl barbituric acid, a hydrogenated derivative of phenobarbitone belonging to the class of medium-acting hypnotics. Its advantages, which are being systematically brought to the notice of the medical profession, include moderate intensity

and duration of action, rapid elimination, and low toxicity.

'TABLOID' CYCLOBARBITONE, gr. 3

BRAND

Bottles of 25,	at 4/0	plus 6d. purchase tax
" 100,	" 15/0	" 1/10½ "
" 500,	" 67/6	" 8/5½ "

Subject to usual discount



BURROUGHS WELLCOME & CO.

(The Wellcome Foundation Ltd.)

LONDON

"OXOID"

The word "OXOID" is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.

ORGANO-THERAPEUTICAL PRODUCTS

OXO LABORATORY PREPARATIONS

VITAMINS

"OXOID" Brand

VITAMIN 'B'

Tablets and Ampoules

For the treatment of Polyneuritis, Neuralgia, Sciatica, Nervous Debility, Loss of Appetite, Gastric Intestinal Disorders, &c. Specially useful in cases of B₁ deficiency in Pregnancy and Lactation.

In bottles of 25, 100, 250 and 500 tablets of 1 mg. and 3 mg. Also supplied in ampoules of 5 mg. and 25 mg.

"OXOID" Brand

VITAMINS 'A' & 'D'

Capsules

A safeguard against infection and a prophylactic against the Common Cold. Also prescribed for rapid adaptation of vision in semi-darkness. Supplies anti-rachitic or "Sunshine" vitamin during Pregnancy and Lactation, or for Infants.

In tins of 25 Capsules.

OXO LIMITED, Thames House, London E.C.4

OXO LABORATORY PREPARATIONS

(T.21)



P.A.T.A.

KNOLL LIMITED
LONDON, W.1

DILAUDID

Trade Mark Brand

Dihydromorphinone

Improved Morphine Preparation

The action of "Dilaudid" is more rapid, more lasting and five times as strong as that of morphine. Its analgesic power predominates, narcotic secondary effects are slight, and peristalsis is but little influenced. In combination with scopolamine "Dilaudid" is injected as a pre-anæsthetic measure, also to induce twilight sleep. The "Dilaudid" Atropine combination is especially indicated in pains due to spasms.

DICODID

Trade Mark Brand

Dihydrocodeinone

BROMURAL

TRADE MARK BRAND

a-monobromisovalerylcarbamide

CARDIAZOL

TRADE MARK BRAND

Leptazol

Cardiazol Dicodid

TRADE MARKS BRAND

Leptazol with Dihydrocodeinone

"Cardiazol" Ephedrine

TRADE MARK BRAND

Leptazol with Ephedrine

Calcium "Diuretin"

TRADE MARK BRAND

Theobromine-calcium-salicylate

Iodo Calcium "Diuretin"

TRADE MARK BRAND

Iodo-theobromine-calcium-salicylate

STYPTOL

TRADE MARK BRAND

Cotarnine phthalate

VERITAIN

Trade and Mark

VERITOL

Trade Mark

Brands of Pholedrine

DISTRIBUTED BY

Savory & Moore Ltd
Chemists to The King

Lawrence Road, Tottenham, N.15
or Wm. Martindale, 50 Wigmore Street, W.1



The

CHEMIST AND DRUGGIST

For RETAILER — WHOLESALER — MANUFACTURER

Published Weekly at

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "Chemicus, Estrand, London"

Telephone: Central 6565 (10 lines)

Emergency Address:

17 ARGYLE STREET, BATH

Telephone: Bath 5492

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NEWS OF THE WEEK

Postal Service to Italy.—Postal service limited to postcards and letters up to 2 lb. weight is now available to the whole of Italy.

Sulphuric Acid Prices.—The Minister of Supply has issued a Direction (Direction No. 4) under the Control of Sulphuric Acid (No. 2) Order, 1940, providing new maximum prices for all sulphuric acid of strengths between 136° TW. at 60° F. and 25 per cent. free SO₃ content. Copies of the Direction (S. R. & O., 1945, No. 1170) which comes into force on October 1, may be obtained from H.M. Stationery Office, price one penny.

Pyrethrum Control Orders Revoked.—The Minister of Supply has made the Control of Pyrethrum (No. 3) (Revocation) Order (S. R. & O., 1945, No. 1163), revoking the Control of Pyrethrum (Nos. 1 and 2) Orders. The revoked Orders prohibited the acquisition, disposal, treatment, use and consumption of pyrethrum and pyrethrum products except under licence. The Ministry of Supply holds stocks of pyrethrum flowers

which were acquired for war purposes and are now available to meet civilian requirements. Supplies of flowers (in quantities of 4 cwt. or multiples of 4 cwt.) may be obtained from the Director of Sundry Materials, Ministry of Supply, 8-10 Old Jewry, London, E.C.2. Copies of the revocation Order, which came into force on September 25, may be obtained from H.M. Stationery Office, York House, Kingsway, London, W.C.2, price one penny.

Molasses Orders Consolidated.—The Minister of Supply has made an Order which revokes and remakes in consolidated form the Control of Molasses and Industrial Alcohol (Nos. 11 to 17) Orders, 1941-42, with the following amendments: (1) Methanol, formaldehyde, metaformaldehyde and hexamine are released from control and licences will no longer be necessary for the acquisition, disposal, treatment, use or consumption of these commodities; (2) the maximum quantity of industrial alcohol (other than mineralised methylated spirits) which can be acquired, disposed of, treated,

used or consumed without a licence is increased from one gallon per month to sixty gallons in six calendar months. Copies of the Order (the Control of Molasses and Industrial Alcohol (No. 18) Order, 1945) (S. R. & O., 1945, No. 1184), which comes into force on October 1, may be obtained from H.M. Stationery Office.

Scottish Herring-oil Exploitation.—Plans to develop the production and marketing of herring oil, both industrially and commercially, have been outlined by the Herring Industry Board.

Thames Valley Pharmacists' Association.—Mr. I. J. Cunningham, M.P.S., 777 London Road, Hounslow, Middlesex, has been appointed secretary of the Thames Valley District Pharmacists' Association and branches in place of Mr. O. L. Crossley, who has resigned for reasons of health.

Merchant Navy Donation.—The Merchant Navy Comforts Service has received a donation of £3 from the Chance and Hunt War Charities Fund, which is supported entirely by the employees at I.C.I. (General Chemicals) Ltd., Chance and Hunt Works, Oldbury, Birmingham.

Wolverhampton Refresher Course.—Wolverhampton Branch of the Pharmaceutical Society has organised a refresher course for pharmacists at the Wolverhampton and Staffs Technical School, Wulfruna Street. Classes are held on Mondays from 8-9 p.m., commencing September 24, the fee for the course being 10s.

Glasgow Ladies' Golf.—The first meeting of the ladies' golf section of the Glasgow Pharmacy Club to take place since 1940 was held on September 13. Mrs. MacCallum presided, and the following office-bearers were elected: *Captain*, Miss MacEwan; *Vice-captain*, Mrs. Jeffrey; *Secretary*, Mrs. MacEwan; *Committee*, Misses Carruth, Peebles, Fletcher and Aitken.

Early Closing Resolution.—At a meeting of the Harrow Branch of the Pharmaceutical Society held on September 20, Mr. F. W. Adams (deputy secretary of the Society) reviewed the history of the Society's Charter. Discussion followed. At the same meeting, a resolution was passed recommending the maintenance of a 6 p.m. closing time for pharmacists, with an extra hour under a rota system.

Taunton Sunday Rota.—The Taunton Pharmacists' Association has announced a revised service for the supply of urgent medicines and surgical appliances on Sundays and other "special" days. On

these occasions a list of pharmacies which are open to give service to the public in the morning from 11 a.m. to 12.30 p.m. and the evening from 6 to 7 p.m. will be exhibited in pharmacies throughout the town. The scheme came into operation on September 18.

Parcel Post to South Africa.—Cancellation is announced of restrictions imposed by the Government of the Union of South Africa under which a special import permit was required for all goods (other than *bona-fide* gifts not exceeding £5 in value) sent by parcel post from the United Kingdom to South and South-west Africa, Swaziland, Basutoland and the Bechuanaland Protectorate. Goods sent to those places by parcel post remain subject to British export licensing regulations.

Purity of Penicillin.—A letter from the chief managing director of Kemball, Bishop & Co., Ltd., London, E.3, appeared in the "Daily Telegraph" on September 18, in which he declared that although the company's production was not large, it was on a commercial scale, and not one of over 120 production batches that had been turned out had failed to pass the test imposed by the Therapeutic Substances Act. The letter was, in effect, a reply to allegations made at the Trade Union Congress, recently, by Mr. A. J. Gillis (Chemical Workers' Union), who had said that 90 per cent. of the penicillin being produced at "a northern factory" was being lost through failure to prevent impurities entering into the product.

Government Factories Allocated.—Twenty-four more Government factories have been allocated for civilian production and three Royal Ordnance factories are to be used as trading estates. This news was given by Sir Philip Warter (Controller General of Factory and Storage Premises) on September 25. It is estimated that employment will be found in the factories and estates for about 32,000 workpeople. Sir Philip Warter also announced that the number of new factory building schemes licensed is eighty-eight and the factories which it is estimated, provide employment for 30,000 persons. Forty-seven of the new factories are in the north-eastern area, fourteen in South Wales, six in West Cumberland and twenty-one in Scotland.

Government Research Grants.—A White Paper, available from H.M. Stationery Office, price twopence, gives details of grants and allowances to be made by the Department of Scientific and Industrial Research to research workers and students. Payment

be of three kinds: maintenance allowances for qualified students unable to secure from other sources the cost of maintenance and training for research; major research awards which will not normally exceed £400 annually, plus approved grants for two years; and grants to investigators of acknowledged standing for researches "of exceptional timeliness and promise," in order to enable them to employ an assistant and buy special equipment. The basic grant in the first group is £180, with variations for students in lodgings, according to the locality.

Glue and Gelatin Orders Amended.—The Minister of Supply has made the Control of Glue, Gelatin and Size (No. 2) Order, 1945, the effect of which is to revoke and remake with amendments the Control of Glue, Gelatin and Size (No. 1) Order. Glue, gelatin and size are freed from control of acquisition and disposal, although treatment, use or consumption in excess of the allowances under the Order—5 cwt. per quarter of edible gelatin, 6 tons in the aggregate of other animal glues and gelatin and 3 cwt. of fish glue—are still subject to licences. The amounts of the materials which may be treated, used or consumed without a licence are now reckoned per quarter of the year instead of per ruling period of three calendar months. Copies of the Order (S. R. & O., 1945, No. 1162), which comes into force on October 1, may be obtained from H.M. Stationery Office.

Cosmetic Trade Association Dissolves.—At the final extraordinary general meeting of the Cosmetic and Toilet Preparations Trade Association of Great Britain, held in London on September 19, Mr. R. L. Demuth presided in the chair, the following special resolution was submitted and passed: "That the company be wound-up voluntarily and that Mr. Arthur Thomas Aspin be appointed liquidator for the purposes of such winding-up; that, after payment of the costs and expenses attending liquidation, and satisfaction of creditors' claims, the liquidator is authorised to make such payments to officers or ex-officers of the Association as the committee of management shall determine; and that any surplus remaining shall be paid to the Toilet Preparations and Perfumery Manufacturers' Federation of Great Britain, Ltd., to be applied for the general purposes of that society." After some discussion, it was decided to support the following nominations for membership of the council of the Toilet Preparations and

Perfumery Manufacturers' Federation of Great Britain: *Chairman*, Mr. Matchan; *Vice-chairman*, Mr. Madden; *Representatives of Small Manufacturers*, Messrs. French, Ruff, Nathan and Demuth; *General Members*, Miss Stamp and Mr. Roberts.

Manchester Golf.—The final meeting of the Manchester Chemists' Golfing Society's season took place at Prestbury golf club on September 19, when the match was between president's and captain's teams. Dinner followed at the Macclesfield Arms Hotel, when the prizes won during the season were presented to the winners, as follows: Hough, Hoseason & Co., Ltd., prize: G. M. Evans; 2, J. W. Aves. Captain's prize: D. Millar; 2, B. Anderson. Robinson & Co., Ltd., prize (four-ball): W. Gee and P. W. Stuart. Woolley trophy and replica: F. C. Baines; 2, C. Finney. E. Griffiths, Hughes, Ltd., prize: J. H. Taylor; 2, A. E. Stubbs. Ucal trophy: S. M. Bostock; 2, H. Oldham. Votes of thanks were accorded to the president (Mr. J. H. Franklin), captain (Mr. R. N. Aitken), secretary (Mr. W. E. Phillipson) and the donors of the prizes. Mr. A. Demaine was elected captain for next season.

N.H.S. Position Today.—A good attendance of members of the Nottingham Branch of the Pharmaceutical Society on September 17 heard an address by Mr. J. C. Young (president of the Society) on the present position of the negotiations for a National Health Service. Miss M. A. Burr presided. Mr. Young declared that the new Government had thrown into the melting-pot the whole of the provisions of the White Paper and intended to start again *de novo*. It was the intention of the Labour party, he asserted, to have a whole-time medical service with national dispensaries, and nothing could stop the Government, with its present majority, from carrying its proposals into effect. He "frankly confessed" that he could not see what would be the position of pharmacy after the N.H.S. organisation had been set up, though a whole-time job, with security of tenure and a superannuation scheme, would, he thought, appeal to a number of young pharmacists. Mr. Young revealed that when a deputation, which included himself and Mr. Sparshott, had waited on the Minister of Health (Mr. Aneurin Bevan) recently, they had made not the slightest impression on him. Following Mr. Young's address many questions were put and comments made, and a vote of thanks was proposed by Mr. Bull and seconded by Mr. Moore.

LEGAL REPORTS

Obstruction of Sampling Officer.—At Manchester City magistrates' court, on September 12, Mrs. Irene Priest, licensee of the Wellington Hotel, Shude Hill, was fined £2 for obstructing a sampling officer in the execution of his duty. Prosecution stated that the officer demanded ten glasses of whisky and the same amount of brandy for analytical purposes. The request was refused. Defendant declared that had she been satisfied as to the officer's identity she would have supplied the spirit to the best of her ability.

Remanded for Observation.—At Salford, recently, a charge of breaking into a local chemist's shop and stealing two boxes of tablets, brought against Harold Talbot, Charlotte Street, was interrupted "as a matter of urgency" so that he could be charged, formally remanded, and taken to hospital for observation. It was stated that several tablets of hyoscine were missing from one of the boxes, and Talbot's condition was consistent with his having taken them. Two bottles of cough mixture and two bottles of herbal mixture were also stated to have been taken from the shop.

Fines for Receiving.—At Warrington county sessions, on September 19, fines totalling £110 were imposed on Arthur Baldwin, photographer, Bedford Road, Firwood, Old Trafford, on three charges of receiving sixty tins of bromide photographic paper, valued at £465, knowing it to have been stolen; receiving or detaining material contrary to the Army Act; and failing to comply with the Price Controlled Goods (Invoices) Order. He was also ordered to pay £6 4s. costs. It was alleged that the bromide paper had been stolen from a U.S. Army Air Force Station at Burtonwood by an American soldier, and delivered to defendant by a man who had been convicted and heavily fined a fortnight earlier. On three similar charges relating to twenty-seven tins of bromide paper, valued at £209, Albert Edward Hill, Press photographic printer, Shelley Grove, Droylsden, Manchester, was fined £85 and ordered to pay £6 4s. costs.

Costs Only in Saccharin Charge.—At Burton-on-Trent recently, Mrs. Alice Harrison, confectioner, Moor Street, Burton-on-Trent, was summoned at the instance of the Ministry of Food for selling saccharin tablets otherwise than in labelled packets of 100, and for selling them at a price exceeding the controlled price. It was

admitted by defendant that saccharin tablets had been put into plain packets supposed to contain 100, but one packet was found to contain seventy-five and another eighty. Mrs. Harrison admitted selling to Mrs. Roach, Church Gresle one gross packets of saccharin tablets for £5 8s; the price of a gross sold for resale was £4 4s. For the defence it was stated that the price Mrs. Harrison paid was £4 and that that price was "a common custom in the trade." The shortage in the packets was due to a miscount. Defendant was dealt with under the First Offence Act and ordered to pay £3 3s. advocate's fee and £3 3s. other costs.

Theft of Chem'cals.—At Liverpool juvenile court, on September 20, two boys, aged sixteen and fifteen, were accused of stealing a bottle of chloroform, value 2s. 6d., the property of a firm of fine chemical dealers by which one of the boys was employed. A third boy, aged thirteen, was accused of receiving five bottles containing nitric sulphuric and hydrochloric acids, strontium carbonate and phenol, the property of the same firm, knowing them to have been stolen. A fourth boy, aged fifteen, was accused of stealing thirty-one test tubes, three graduated cylinders, one flask, and a box of labels, value 10s. 6d., the property of another firm of chemical dealers. A representative of the police was present and stated that the charges would probably have to be amended; a remand was asked for. The case came to the notice of the police when a youth, aged nineteen, was admitted to hospital on September 15, unconscious and suffering from chloroform poisoning. As the result of a statement made by him after he revived, the two boys were accused of stealing the chloroform and were interviewed. The police visited the third boy and told him they had reason to believe he had received a quantity of drugs and dangerous poisons from one of the other boys. The officers were taken to a shed the back garden fitted up like a miniature laboratory. On the shelves were 150 bottles containing 143 different chemicals, including a number of cyanides and oxalates. There was also a quantity of laboratory equipment, including test-tubes, retorts, thermometers, weights and measures. In the shed were instruction books on how to make various chemical compounds, including explosives and chloroform. It was alleged that two of the boys had been making chloroform.

TOPICAL REFLECTIONS

Municipal Trading

The Oldham Chamber of Trade has sent municipal subcommittee of the borough protest against the system of supplying infants' foods at welfare centres (p. 288). His trouble has been prevalent in large cities and towns for several years past; and protests appear, so far, to have had small effect. I need hardly remind retailers that ratepayers they are subsidising these schemes of handing out foods to supposedly serving persons—schemes which are, probably without exception, carried on at loss if their administrative cost is taken to account. One of the most serious features of this system is that it is difficult to assign any limit to the kinds of goods that can be similarly supplied. In the coloured Supplement to your issue of April 20, 1940, an account was given of a promising plan introduced at Sheffield to deal with the situation. It was there stated that a brand of infants' food had been prepared for sale by chemists only at "a reasonable price," which expression I take to mean a price similar to that charged at welfare centres. The success of the venture, we read, had encouraged its promoters to proceed with other articles on the same lines. Some of your Sheffield readers may be able to tell us how this venture has fared since 1940. The query of anxious mothers, "is this as good as what I have been buying?" has, no doubt, been answered with emphasis and, I trust, with a continuance of satisfactory sales. Another point is relevant. At a time when the trade of the country is in an unsettled state—when the controls are coming off and, for anything we know to the contrary, other controls may be coming on—it is important that chemists' associations should keep this question of municipal trading on the agenda of their meetings and, in association with chambers of commerce, take any action that may be feasible.

Signs in Commerce

The action of a Glasgow public authority in declining to renew licences for certain signs which "had become landmarks in the city" (p. 288) gives prominence to a question of major public interest. As a paragraph on p. 289 shows, Government restrictions on the illumination of shops are still in force; but when they are removed or relaxed, the regulation of signs of this kind will need intelligent handling. At a public dinner several years ago a popular

dean remarked, in the course of a speech, that he liked the effect of the nightly lighting of shop fronts and other buildings; it was amusing to see the faces of the reporters brighten, and their pencils get busy, at this unexpected disclosure. In the case of pharmacy, it is not impossible that the Statutory Committee of the Pharmaceutical Society might summon any of its members alleged to have offended in this way, borrowing a formula of the Dental Board used for dentists whose exterior display was held to be excessive. Actually, however, the common sense of chemists in business should suffice to keep them from competing with less educated retailers in neon lighting. Possibly the Executive of the National Pharmaceutical Union may wish to look into the matter with a view to drawing up a flexible scheme of exterior lighting which will be attractive, distinctive and unexceptionable.

Proteins

The attractive series of articles on "The Story of the Proteins," the latest of which (p. 304) fully sustains the interest of the subject, has given facts and deductions new to many of us. It may be that a few of your younger readers are wondering how to fit this intricate subject into the scientific knowledge they have so far acquired. For their benefit I may mention two recent books by Dr. F. Sherwood Taylor, "The World of Science" and "The Science Front," in both of which proteins are among the substances discussed. They will find that Dr. Taylor has a remarkable gift of guiding his readers easily from sentence to sentence and rendering everything clear. According to him, the number of amino-acids obtainable from proteins (I quote with some hesitation from memory) is twenty-two. We may suppose that if we could combine a sufficient number of amino-acids in the right proportions we could synthesise a protein. Experiments in that direction have, in fact, been made. But think of the millions of such combinations that a mathematical calculation shows to be possible! Another consideration arises in this connexion. The origin of life on our planet has been and is a mystery. It is permissible to indulge the speculation that the precursor of protein and of protoplasm was a series of amino-acids, originating when the earth and its atmosphere had become favourable to their formation; and that they, in turn, were synthesised from their elements. **Xrayser**

TRADE NOTES

Moth Killer.—The moth-killing preparation manufactured by Ozonol Laboratories, Ltd., London, N.1., is spelt Ozoline and not as previously given.

Soluble Saponine.—C. W. Field, Ltd., White Lodge, Speke Road, Hunts Cross, Liverpool, invite trade inquiries for soluble saponine powder, a product first manufactured by the company in 1899.

Distribution in Eire.—"First-class coverage" for manufacturers of pharmaceutical products is offered in Eire by M. G. Baynes & Co., Ltd., wholesale distributors, 23 East Essex Street, Dublin.

Course in Optics.—A prospectus is now available of evening courses in applied optics that commence on October 1 at the Northampton Polytechnic, St. John Street, London, E.C.1. Application should be made to the principal.

Instrument Sundries.—Luminos, Ltd., 45 Belsize Lane, Hampstead, London, N.W.3, offer a variety of lenses for various purposes, wall and photographic thermometers, tweezers, optical frames, etc., further details of which may be found on another page.

Chemicals from U.S.—The American Roland Corporation, 16 Hudson Street, New York, 13, U.S.A., offer pharmaceutical chemicals; alkaloids; hormone, endocrine and vitamin preparations; botanicals, etc., Fuller details, together with the company's cable address, are given elsewhere in this issue.

Advertising for Tonic.—Vinecta Products, Ltd., Dewsbury, Yorks, invite chemists to write for specimen labels of their products, which include Vinecta, the "superior" tonic. This product is being widely advertised in cinemas and in the Press. Profit margins are given in detail in the company's announcement in this issue.

Reduced Prices and New Strengths.—The Crookes Laboratories (British Colloids, Ltd.), Gorst Road, Park Royal, London, N.W.10, have sent a list of revised prices for Collosol auro-calcium. The preparation is issued in boxes of six ampoules in the following strengths: 10 mgm. in $\frac{1}{2}$ c.c.; 25 mgm. in $\frac{1}{2}$ c.c.; 50 mgm. in 1 c.c.; and 100 mgm. in 2 c.c.

Sole Distributors.—An announcement is made by Leciferrin, Ltd., 4 John Adam Street, London, W.C.2, that they have

taken over the sole manufacturing distributing rights of Leciferrin lecithin tonic, which is available in bottles, on special terms, with wire display bonuses. The product is on Chemists' Friends list.

Back to Pre-war Packing.—It is announced by the makers of Laneta depilatory tubes in pre-war style. Supplies may be obtained from usual wholesalers or from sole distributors, Johnson Agencies (Proprietaries), Ltd., Clarendon Works, Clendon Road, Croydon, Surrey, who supply the makers' other special Fuller's celery perles and Lasheen.

Nikethamide.—An announcement by B. L. Lemke & Co., manufacturing chemists and exporters, 248 West Broadway, New York, 13, U.S.A., draws attention to company's product nikethamide-Lemke, which, the makers state, is a product of the highest quality and uniformity, causing many users to specify the Lemke brand. Details of an assay of the product based on nitrogen are given elsewhere in this issue.

Orders for Denture Powder.—By oversight, an obsolete advertisement in The Chemist and Druggist, August 1939, stated that denture powder was included in the Chemist and Druggist, August 1939. The position is that at present the product is only available and retailers requested to order the product in minimum carriage-paid quantities of £2 value that any delay through shortage does hold up dispatch of other Milton products.

D.D.T. Preparations.—LEDA CHEMICALS LTD., Alpha Works, Archway Road, London N.19, offer a powder insecticide containing 7 per cent. D.D.T.-Geigy. The preparation is now available for both home and export markets, and inquiries are invited from wholesale trade only.—NUTILIS PRODUCTS LTD., 30 Thames Street, Kingston-on-Thames, offer to chemists an insecticide powder or liquid form containing D.D.T. The preparation is available in two sizes.

Portable Sun Lamps.—Perihel, Ltd., department, 17 Edge Street, London, E.C.1, the makers of Perihel Mixray lamps, which combine ultra-violet and infra-red treatment, draw attention to a table model with separate switches for the two types of treatment. Fibre-lined joints enable the reflectors to be adjusted quickly in any desired position and the reflectors are specially designed to direct parallel rays upon the patient.

Photographic Lectures and Demonstrations.—With lectures and demonstrations available to photographic societies by Messrs. Manson & Sons, Manufacturing Chemists, 10, Hendon Way, London, N.W.4, the necessary chemicals are provided free. Free of the lectures—"Standardised Development," "Aids to Better Prints" and "How to Gain Fine Grain"—are illustrated means of enlargements, and three—"How to Criticise Your Own Pictures," "Prizewinners and Why" and "How to Make a Living Picture"—with lantern slides. The demonstrations are concerned with time-and-temperature development of fine grain in small negatives.

Business Changes

HALE, HAMILTON & Co., LTD., merchants, have removed to 107 Old Broad Street, London, E.C.2.

The pharmacy of the late Mr. Jack Mahan, 22 Rosemount Avenue, Londonderry, Northern Ireland, is for sale as a going concern.

EDWARDS, SONS & PARTNERS, LTD., have transferred their London offices to 32 Fleet Street, London, W.1 (Telephone: Gerrard 2605).

THE IMPORT LICENSING DEPARTMENT, Ministry of Trade, is removing on October 1 to 189 Regent Street, London, W.1 (Telephone: Regent 4090).

JOHN RONALDSON & Co., LTD., drug merchants, have removed to Universal House, Southwark Bridge, London, S.E.1 (Telephone: Waterloo 6151).

MOTT & BOWNE, LTD., manufacturing chemists and distributors, are transferring their head office on October 8 to Winchester House, Old Broad Street, London, E.C.2.

DOUGH, KIDSTON & Co., chemical merchants, have transferred their offices to Breachurch Lane, London, E.C.3 (Telephone: Avenue 2278). The works remain at Bermondsey Square, S.E.1.

Proprietary Articles Trade Association

Additions to Protected List.—*Sibsul Sulphur*, 1-oz. jar, 20s. doz., tax 3s. 6d.; inclusive retail price 2s. 9½d.; 2-oz. jar, 20s. doz., tax 3s. 6d.; inclusive retail price 2s. 9½d.; sulphur powder, 3-oz. jar, 20s. doz., tax 3s. 6d.; inclusive retail price 2s. 9½d.; combination packs: 2-oz. jar skin salve and 1-oz. jar sulphur powder, i.r.p. 5s. 7d.; 2-oz. jar skin salve and 3-oz. jar sulphur powder, i.r.p. 5s. 7d.

Alterations.—*Stemco, Ltd.*, increased prices, from September 17, Flit hand sprayers, 2s. 9d., 24s. (exempt from tax).

COMPANY NEWS

JOPCOS MANUFACTURING CO. (LONDON), LTD. (P.C.).—Capital £1,000. Chemists and druggists, etc. Arthur B. and Norman L. Slack, directors. R.O.: 721 Princess Road, Manchester, 20.

T. M. ASHFORD, LTD. (P.C.).—Capital £4,000. To acquire the business of a chemist and druggist carried on at 16 Market Square, Aylesbury, as T. M. Ashford. Mrs. Eva M. Ashford and Victor F. Hayman, M.P.S., directors. R.O.: As above.

W. V. WESTLAKE, LTD. (P.C.).—Capital £1,600. To acquire the business of a chemist and optician formerly carried on by Walter V. Westlake at 13 Church Road, Ashford, Middlesex. George Stein and Charles A. Chance, directors. R.O.: As above.

STIPENDUM STOPPER CO., LTD. (P.C.).—Capital £500. To acquire the business of manufacturers of ointment pots and composition stoppers carried on by A. R. Goldstein, as the Stipendum Stopper Co., at 3 Orange Court, Wapping High Street, London, E.1. Alexander R. Goldstein, director. R.O.: As above.

EIRE COUNCIL ELECTION

FOR the three Cork candidates in the forthcoming Council election of the Pharmaceutical Society of Ireland, the following circular has been sent out to members of the Society over the names of R. D. Clarke (chairman) and W. A. Fielding (secretary) of the Cork Centre, Guild of Pharmacy: "Recently there has been formed a Guild of Pharmacy in Cork, the objects of which are 'to foster goodwill in pharmacy and to further its social, business, and educational interests.' The Guild is fully representative of all branches of the profession. We are very optimistic of its future and hope it will spread to every county, as we feel that a general link-up of chemists is long overdue. At a council meeting of the Guild it was felt that, in view of the large number engaged in pharmacy throughout the country, the provinces should have a larger representation on the Council of the Pharmaceutical Society of Ireland. With this end in view the council of the Guild has selected three candidates to contest the forthcoming election. These candidates, who represent the views of a large number of persons engaged in the profession, will uphold and safeguard your interests. We therefore confidently ask you to vote for Richard Daly, Christopher Dominic O'Shea, and Bartholomew Sullivan."

BIRTH

DALGLISH.—At Aberfeldy cottage hospital, on September 15, Anne, the wife of David Dalglish, M.P.S., Glengowlandie Cottage, Keltneyburn, of a son.

MARRIAGES

ALEXANDER — STEWART. — Within the Moray Aisle, St. Giles' Cathedral, Edinburgh, on September 3, W. Rowland Alexander, B.Sc., M.B., Ch.B., Ayer, to Jean Gray Helen Mary Stewart, M.P.S., 14 Graham Street, Edinburgh.

MARA — FLATTERY. — At St. Anthony's Church, Clontarf, Dublin, recently, Timothy A. Mara, M.P.S.I., Hollybrook Road, Clontarf, to Angela Flattery, L.P.S.I., Castlerickard, Moyvalley, co. Meath. The ceremony was performed by the Rev. Father Malachy, brother of the bridegroom.

DEATHS

ANDREWS.—On April 24, Mr. Dormer Frederick Andrews, M.P.S., Pen-Inney, Lewannick, Launceston, Cornwall, aged seventy-eight.

CORRICK.—Suddenly, on September 20, Mrs. Esther Alice Corrick, the wife of Mr. A. E. Corrick (Ernest Jackson & Co., Ltd.), 15 Avenue Road, Belmont, Surrey.

SCOTT.—At Cruach, Queensferry Road, Dunfermline, on September 20, Mr. Henry Johnston Scott, M.P.S., Rosyth (a son of Mr. H. F. Scott, M.P.S., Inverkeithing, Fife), aged fifty. The funeral took place at Douglas Bank cemetery, Rosyth, on September 22.

SMITH.—In a flying accident on July 3, Sergeant Newton Smith, R.A.F., M.P.S., 28 Front Street, Bedlington, Northumberland, aged thirty.

SMITH.—In Wiltshire, on September 19, Sir H. Llewellyn Smith, G.C.B., Permanent Secretary to the Board of Trade, 1907-19, and chief economic adviser to the Government, 1919-27. He was the author of a "History of the Board of Trade."

STYLES.—On August 29, Mr. Alfred Thomas Styles, M.P.S., 54 Briarwood Drive, Northwood Hill, Middlesex. Mr. Styles qualified in 1908.

THOMPSON.—At Winglewood, Woodhall Road, Colinton, Edinburgh, on September 15, Mrs. Jane McNaughton Cowe Thompson, wife of Mr. Thomas W. Forster Thompson, M.P.S., 52 Bridge Road, Colinton.

WILLS

MR. FREDERICK SMITH, Ph.C., 13 Hill Street, Alcester, Warwickshire, left £12,920 with net personalty £11,506.

MR. WILLIAM JEROME BOYES, M.P.S., 61 Balham Hill, London, S.W., left £5,420 with net personalty £2,769.

COLONEL ALLEN GILBERT BARTHOLOMEW O.B.E., T.D., Hazelshaw, Downs Watdworth, Surrey, a director of Chilm Ltd., and the Nitrate Corporation of Chilm Ltd., left £14,035, with net personalty £12,131.

SIR THOMAS WALLACE McMULLAN, D.I. Stoneleigh, Princetown Road, Bangor, co. Down, chairman of Thomas McMullan Co., Ltd., Belfast, left personal estate Great Britain and Northern Ireland value at £86,043.

COMING EVENTS

Monday, October 1

BIRMINGHAM BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, British-Czech Friendship Club, 60A Dudley Street, Birmingham, at 7.30 p.m. Inaugural meeting.

Tuesday, October 2

SOUTH-EASTERN ASSOCIATIONS, New Cross Inn, 323 New Cross Road, London, S.E.14, at 8 p.m. Mr. A. L. Bacharach, M.A., on "Penicillin."

Wednesday, October 3

DURHAM COUNTY BRANCH, PHARMACEUTICAL SOCIETY, Lyons Café, 39 Silver Street, Durham, at 7 p.m. "Brains trust." Question should be sent to the secretary or brought to the meeting.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 3 p.m. Opening of 104th session of College presentation of prizes. Inaugural session address by the president (Mr. J. C. Young).

Thursday, October 4

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 5 p.m. Dr. U. R. Evans, M.A., on "Recent Work on Corrosion and Oxidation Reactions."

DESIGN AND INDUSTRIES ASSOCIATION, County Hall, Westminster, London, S.E.1, at 6 p.m. Mr. Herbert Read on "Standards of Taste." (First of four weekly lectures.)

MANCHESTER PHARMACEUTICAL ASSOCIATION AND BRANCH, Council Chamber, Houldsworth Hall, Deansgate, Manchester, at 7.45 p.m. Discussion, "The Council Election."

Sunday, October 7

MANCHESTER PHARMACEUTICAL ASSOCIATION, Ramble to Macclesfield and Bollington. Meet London Road station, 9.20 a.m. Book Macclesfield return.

PERSONALITIES

MAJOR JAMES HAMILTON HICKS, M.P.S., Victoria Street, Rothesay, attended on September 10 a meeting of the local town council, of which he is a member, for the first time after over five years as a prisoner-war in Germany.

MRS. S. W. STROUD, a member of the Nottingham Scientific Film Society, addressed the West Bridgford Branch of the British Legion, recently, on recent scientific work, including the discovery of D.D.T., the sulphonamides and penicillin.

SERGEANT-DISPENSER CHARLES EGGO, A.M.C., M.P.S., 8 Union Street, Stirling, has been liberated from a Japanese prisoner-war camp. Before joining the army in 1941 he was employed by Mr. William C. Mule, M.P.S., Port Street, Stirling.

MR. FRED STOREY, Ph.C., president of the Chemists' and Druggists' Society of Ireland, and a past-president of the Pharmaceutical Society of Northern Ireland, has recovered sufficiently from an injury to him to be able to return to business.

MR. J. ELAND, Padiham, received a presentation from the staff of Oxo, Ltd., Blackburn, on September 22, on the occasion of his retirement after forty years' service as representative of the company in east-Lancashire and West Yorkshire.

Two pharmacists, MISS NOREEN CHRISTINA ROCHE, L.P.S.I., Killorglin, co. Kerry, and MISS SHEILA MARY KELLY, L.P.S.I., Upper Beechwood Avenue, Dublin, were received recently into the Medical Missions of Mary at Drogheda. A pharmaceutical student (Miss Freda McKernan) was so admitted.

MR. CHARLES H. LEGGETT, M.P.S., Wallasey, has been selected as a Liberal candidate in the local municipal elections on November 1. During the war years Mr. Leggett has served with the Wallasey Civil Defence organisation as a first-aid party leader and instructor, and as pharmacist to the first-aid units. He is secretary of the local Pharmaceutical War Committee.

MR. J. C. YOUNG, in his capacity as chairman of the Central Pharmaceutical War Committee, contributed a letter to "The Times" on September 26, in which he predicted a breakdown in the pharmaceutical service during the coming winter, pointed out that the Committee had done everything in its power to secure the release of enough pharmacists from the Forces to overcome the grave civilian shortage, and

placed the responsibility for the position on the Ministry of Labour.

SIR ALEXANDER FLEMING, discoverer of penicillin, is in Italy as guest of Air Marshal Sir Guy Garrod, Commander-in-Chief, Royal Air Force, Mediterranean and Middle East. At service hospitals and establishments in the Mediterranean theatre he has been seeing patients who have been successfully treated with penicillin for war wounds, compound fractures, skin ailments and injuries resulting from accidents. On September 19 he was received in audience by the Pope. Later an honorary degree of the University of Rome was conferred upon him.

PROFESSOR R. P. LINSTEAD, M.A., D.Sc., F.R.S., has been appointed director of the Chemical Research Laboratory, Department of Scientific and Industrial Research, and will take up this appointment on October 1. He was formerly Firth Professor of Chemistry in the University of Sheffield and in 1939 was elected to the chair of Chemistry in Harvard University, U.S.A. During the war he returned to Great Britain, and has rendered valuable service in relation to the application of science to war problems. In 1942 he became deputy director of Scientific Research, Ministry of Supply, and during the past year has been British chairman of the combined intelligence objectives subcommittee.

CAPTAIN P. C. GONDOS, a director of A. Revai & Co., Ltd., chemical merchants, 7-8 Idol Lane, London, E.C.3, has been awarded the Military Cross. Captain Gondos was commanding a company in Burma in an operation to secure an objective 700 yards ahead. The enemy had placed ten road blocks and mines on the road, and was strongly entrenched, but the objective was captured after six hours' hard fighting. During the whole operation Captain Gondos was in front of his company directing operations, and his cheerfulness and example were an inspiration to his men. Two days later Captain Gondos' company was again in the lead when the leading troops came under heavy fire and received casualties. He dashed forward firing his Sten gun at the enemy, but was wounded in the leg and became unable to move. Though he was wounded altogether nine times, he refused to be evacuated until all the other wounded had been got out. It is understood that Captain Gondos is still in hospital in India, but is recovering and is expected to return to England shortly.

FREEZE-DRYING OF PENICILLIN

An Account of a Visit to the Greenford Penicillin Factory of Glaxo Laboratories, Ltd.

INVITED to see demonstrated an ingenious application of the technique of freeze-drying to penicillin production, a small party of visitors, including representatives of Government departments and the technical Press, was conducted round the penicillin factory of Glaxo Laboratories, Ltd., Greenford, Middlesex, on September 20. The company's chemists, profiting by considerable experience in the use of the process for other preparations, have been successful in adapting the change in the final stage of penicillin production—drying the purified substance.

Four Factories Devoted to Penicillin

It was explained at the outset that, after pilot-plant work at Greenford, the company commenced penicillin production in February 1943. A second factory went into production in February 1944, and a third in January 1945. All three factories were designed to give the greatest possible output with minimum delay. Owing to the inevitable delays involved in building new premises in this country under the conditions of total war, all were housed in requisitioned or rented premises. The surface-culture technique was adopted, because the newer and better submerged-culture technique could not have been employed without the erection of special buildings. It is noteworthy that all the Glaxo factories have substantially exceeded the original estimates of their potential outputs. A fourth factory, larger than the others, and specially constructed to use the most up-to-date techniques, is shortly to commence operations. The crude output of the three war factories was sent to Greenford for final processing and drying. In the operation of freeze-drying, glassware apparatus specially developed at Greenford was necessarily used. Room for it had to be found in the factory by clearing areas occupied by plant in use for products of less urgent national importance. A flying bomb, which scored a direct hit on the factory in August 1944, blew out a wall of the penicillin drying-room, and production in the factory, which was then producing the greater part of the country's penicillin was interrupted—for only twenty-four hours.

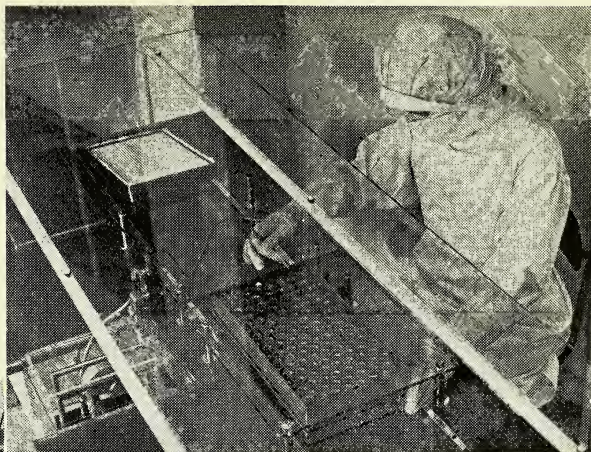
While many of the main problems of penicillin production had been already surmounted, there remained complex difficulties in presenting the drug under condi-

tions that would ensure final purity, long life, and readiness for immediate use. The process demonstrated to the visitors was an attempt to meet these requirements in a preparation of the highest standard. The principle employed is first to freeze the water-content of the drug, and then to induce the ice thus formed to sublime with great rapidity *in vacuo*. Passing directly into the vapour state, the ice is removed from the penicillin in its entirety, and the drug is left in a condition of extreme dryness and purity in the ampoule. It is also in a state of flocculence and fine division so that on the addition of water at the moment of use it dissolves immediately. Freeze-drying, as applied to penicillin, falls into a number of stages. Each week there are received from the Glaxo factories concentrates of the sodium or calcium salts of penicillin totalling up to 300 litres. From the stainless steel containers in which it arrives, the concentrate is passed through Seitz filters in glass flasks, thus ensuring complete sterility. Sterilised vials are next filled under conditions of high asepsis. The vials, still open, are packed under fine cotton fabric, specially made to prevent bacterial contamination while permitting evaporation. In the freeze-drying operation the penicillin is first frozen in a specially designed low-temperature refrigerator, and is then transferred to the desiccator, delivered in exactly measured amounts, and sealed with rubber and metal caps. Then, labelled and packaged, it is ready for long storage or immediate use.

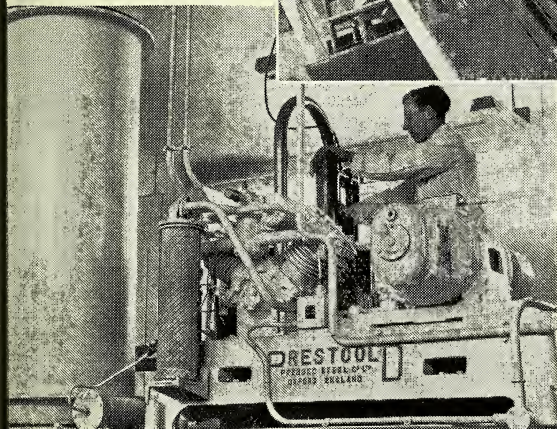
Tour of the Factory

For reasons of space, a detailed description of the many ingenious processes witnessed by the visitors during their tour of the factory is not practicable, but some of the main points will be briefly described. After the reception and storage room, where the containers of penicillin concentrate are received from the factories, the washing and sterilising room was next visited. Here, automatic vial-washing equipment is to be installed, but until it is available the vials are washed by hand, and the washed vials transferred to stainless steel trays fitted with lids. These are sterilised and dried in the electric ovens. The special fabric tray-covers which are used during the drying process, and rubber stoppers that will be used in the finishing room, are also sterilised in this department.

IN THE
PENICILLIN
FREEZE-DRYING
PLANT OF
E. L. BAXTER
LABORATORIES,
GREENFORD



Top: Semi-automatic charging of vials with penicillin.

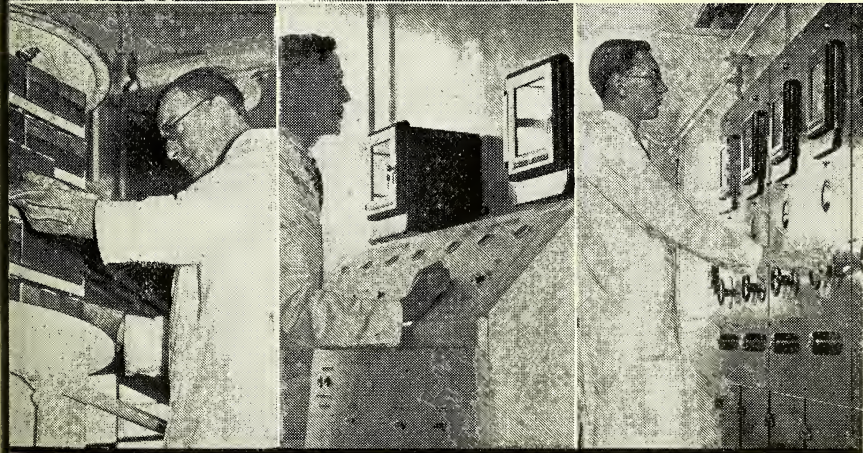


Left: One of the latest types of freeze-drying units.

Below, left: Loading a freeze-drying unit.

Below, centre: Control panel, low-temperature freezing plant.

Below, right: Freeze-drying control panel.



In the filtration room, batches of the penicillin concentrate are sterilised by Seitz filtration. Samples are taken aseptically, and checked for pH potency and dry-substance content. Temporarily, penicillin which has been dried in bulk in glassware apparatus is transferred in this room from drying flasks to bulk storage containers. For this operation the aseptic transfer cabinet is used. Visitors are not permitted to enter the filling room, but the operations may be viewed through glass panels. Semi-automatic charging of vials is here carried out under aseptic conditions. When all the vials in a container have been charged, the next operation is the fitting of a sterile cover.

Drying Room

The charged, covered containers are first cooled to 2°C. in the cold room. They are then transferred to the deep-freeze cabinet, which takes the temperature to below -50°C., many degrees below the freezing-point of the penicillin solution in the vials. The drying operation then follows. Ten frozen containers are loaded into the head of each desiccator, which is then closed and sealed. Air is exhausted from the chamber by two double-stage high-vacuum pumps, connected to the chambers by a manifold in such a way that either or both pumps may be employed to exhaust any or all of the chambers. It is possible to produce a vacuum of 0.01 mm. of mercury. In the bottom of the chamber a condensing coil is maintained at -50°C. by a special refrigeration plant employing as a refrigerant the recently introduced Freon 22, which makes it possible to achieve this low temperature at only one stage of compression. So soon as a sufficiently high vacuum has been reached, ice evaporates from the frozen solution in the vials without melting, and condenses on the coils. As a result, the solution tends to cool still further and, since it would eventually reach the same temperature as the coils and evaporation cease, it becomes necessary to heat the vials. For this purpose, accurately-controlled electric radiant heaters are mounted in the head under each container. Even with a heat input equivalent to the presence of a medium-sized electric fire in the chamber head, evaporation is so rapid in the vacuum that the material remains frozen at -20°C. until all the water has evaporated. A thermostat automatically controls the heaters, and allows the temperature to rise at the end and remove the final traces of moisture.

Continuous Temperature Record

To facilitate control of the plant establish a permanent record of the dry condition for each batch of material, a small thermocouple is placed in one and another on the condensing coils. They are connected to a thermograph which registers both temperatures on one graph and provides a continuous record of drying temperature and a check on performance of the refrigerator. Thermographs, together with electric vacuum gauges for the vacuum system, control instruments for the heaters, and safety devices, are grouped on a central control panel, from which it is possible to follow the progress of the whole operation. When drying is complete, filtered air is admitted to the chamber and the vials dry solid still in their protective container. They are removed and passed to the finishing room, or stored in evacuated secondary desiccators in the presence of a desiccant until required. The final process comprises finishing and packing, in which the vials are plugged with dry sterile rubber stoppers. The operation is performed in a clean cabinet by gloved operators. The vials are now subjected to final tests for potential sterility, absence of toxicity and pyrogenic moisture, etc., and when passed are sealed with special metal closures, labelled, and packed. In the design of the freeze-drying plant Glaxo Laboratories, Ltd., received helpful advice from Medical Research Council experts, particularly Dr. R. I. Graves, of the serum-drying unit, Cambridge.

Control Laboratories

An important part of the factory is devoted to the penicillin control laboratory which discharge four main functions: (1) Evaluation of raw materials used in the preparation of media, together with research on the development of improved media; (2) control of potency, including the assay of concentrates and final dried penicillin preparations; (3) distribution of standard penicillin solutions to production plants; and (4) maintenance, control and distribution of pure cultures of *Penicillium* and testing of new strains. In the separate laboratory set aside for the preparation of experimental media, the standard culture flasks could be seen being filled, plugged and sterilised by autoclaving, following the procedure used in the factories, except that different-coloured, non-absorbent cotton wools are used in plugging to form a barrier to the different treatments. After inoculation

with a standard quantity of a pure suspension of *Penicillium* spores, the flasks incubated at a controlled temperature of 23.5° C. for periods of seven to ten days. The amount of penicillin formed is estimated in the assay laboratory and, since a series of replicates is carried out on any given experimental treatment, the results can be assessed statistically and significant differences in penicillin yield detected. The efficiency of the penicillin is controlled for all routine assays by a modification of the Oxford cup method. Owing to the comparative nature of penicillin assay, it is necessary that a carefully prepared standard should be available for use and distribution to all factories at regular intervals. For this purpose a Glaxo working standard preparation, evaluated in terms of the provisional British standard, is maintained at Greenford, and solutions of the working standard are dispatched to all production control laboratories at regular intervals during each week. The standard material is preserved at refrigeration temperature in sealed ampoules, which also contain a small amount of silica gel for desiccation; weighed samples of the preparation are appropriately divided and a cross check is made of their potency against the previous standard. Precautions are taken to preserve the sterility of the solutions, and they are dispatched in storerooms in an ice pack to guard against deterioration. Regular tests of the Glaxo working standard against the provisional British standard, and against pure penicillin, are made.

Maintaining Viable Cultures

Different strains of *Penicillium notatum* vary widely in their ability to produce high yields of penicillin. Poor strains may spontaneously during subcultivation. It is imperative, therefore, that a "master" culture of a pure strain of proved efficiency should be maintained under closely controlled conditions. For production purposes a very large number of spores is required and it is necessary that these should all be derived from the proved "master" culture with the least possible number of mutations, thereby reducing the risk of undesirable variants. Research has shown that the most suitable method of obtaining a pure, stable strain is by selection from spore cultures. The monospore culture is first made and tested for penicillin production. The best culture is selected and freeze-dried in several ampoules, and it is stated the spores remain viable and active for many years. The ampoules are

stored over phosphorus pentoxide *in vacuo*, and form the "master" cultures from which all production cultures are obtained. A series of "sub-master" cultures is prepared from the ampoules every day. They are grown on nutrient agar slopes, under careful observation, for seven days at 23.5° C., and then dispatched to production units, where they are used for "seeding" the large numbers of sporing flasks at the spore "farm." A small *Penicillium* spore "farm" is also maintained in the mould culture laboratory for the provision of spore suspensions required for research work.

REFRESHER COURSES

THE following letter on refresher courses and further education has been sent to all pharmacists in demobilisation groups 1-23 inclusive who have returned to the Pharmaceutical Society the form previously sent out to them by the secretary:—

... We regret that the number of pharmacists falling within the earlier demobilisation groups has made it impracticable to arrange refresher courses to be held in a number of schools of pharmacy at the same time. Arrangements have been made for courses to commence in the following centres on the dates indicated:—

CHELSEA POLYTECHNIC, November 5.

MANCHESTER UNIVERSITY, November 19.

MERCHANT VENTURERS' TECHNICAL COLLEGE, BRISTOL, November 26.

GLASGOW ROYAL TECHNICAL COLLEGE, January 7.

BIRMINGHAM CENTRAL TECHNICAL COLLEGE, January 7.

The courses will be full-time, and of four weeks' duration. Application for admission to any of them should be made to the secretary, Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.1, and the envelope marked "Refresher Course."

The fee of £10 10s. will be payable direct to the college at the commencement of the course, and I would take the opportunity to remind you that the Government's further education and training scheme provides for grants to be made in certain circumstances to an ex-Service man, for a refresher course to enable him to follow his previous career. The prescribed form of application for such a grant may be obtained from the Appointments Department of the Ministry of Labour and National Service, Sardinia Street, Kingsway, London, W.C.2.

When the date of demobilisation of higher groups is known, further courses will be arranged, and particulars made available.

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TO MANUFACTURERS

Lt.-Colonel (48) who prior to the war held many important positions in International Advertising and Marketing, is shortly leaving the Service. During the war has made several official visits of non-military duty to U.S.A., Canada and the Far East. Now primarily interested in return to the Export Trade, preferably representing abroad a large and reputable house vitally interested in export. Resident in any country except tropics. Preference for U.S.A. and Canada.

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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire

OL. CXLIV SEPTEMBER 29, 1945 NO. 3425

"De Novo"

PHARMACISTS will have been to some extent prepared for the announcement, made by the president of the Pharmaceutical Society and recorded in a news paragraph in this issue (p. 315), that negotiations regarding the position of pharmacists in any National Health Service to be set up must start all over again. The matter was implicit in an early declaration of the new Minister of Health, to which abundant publicity was given in the Press, that any agreement previously reached between the Government and the medical profession had been cancelled by the General Election, and that a new series of negotiations would have to take place.

What will, however, cause surprise and pain among pharmacists is Mr. Young's statement that when he and a representative of the company chemists called on Mr. Levan they made "not the slightest impression" on him. If this is a legitimate summary of what took place, it is indeed exploratory. A Minister with a closed mind could at last reduce to hopelessness those who have laboured to bring about pharmacy's advancement. We are so bold, however, as to express the hope that the Minister was only exercising that caution which any normal person would feel in taking over from a predecessor.

The pessimistic tone of the whole of Mr. Young's address will not be overlooked.

He did not express in so many words a belief that the Government will not now make use of existing pharmacies in a national pharmaceutical service, but the inference seems inseparable from his reference to "a whole-time job, with security of tenure and a superannuation scheme." It is appreciated that the Labour Party, whose proposals for a national medical service were available for study long before the White Paper was published, favours the development of health centres. Its views on the subject can obviously, as the president points out, now be given concrete effect. The necessary Parliamentary majority is forthcoming, and uncompromising opposition to the spread of health centres may prove unprofitable.

However, as we see it, that has never been the attitude of the craft. If pharmacists press forward to secure the guarantees that dispensing, whenever and wherever carried out, is in the hands of qualified persons, they have every prospect of a successful outcome to the negotiations, for such a safeguard is so easily shown to be in the public interest. Material considerations like housing priorities for bricks and mortar may serve to prevent any rapid undermining of existing pharmacies by the construction of "national dispensaries." There are other vital considerations which any Government, of whatever colour, must take into account, such as the relative costs of alternative methods and the fact that there are not enough pharmacists outside the shops, and cannot for many years be enough, to supplant shopkeeper-pharmacists as the nation's dispensers.

It is too early, without further pronouncements showing more clearly what is in the mind of the Minister, and some indication of how the negotiations with the doctors develop, to suggest with any very firm definition the outlines of a new scheme to be put up to the Minister by the spokesmen for pharmacy. We can at least encourage the Joint Committee on a National Pharmaceutical Service not to be too pessimistic, bearing in mind that they, too, put the public welfare first, and that there is a solid nucleus of support for them in a tolerably well-organised profession. To make quite sure that their morale is

intact, however, we do suggest that they should now adopt a course we have often advocated. They should widen the basis of their membership to include all interested parties within the craft. If they do this, we have not the slightest doubt that they will find solid support among all ranks.

News of Penicillin at Last

THE veil that has concealed the production of penicillin in Great Britain during the war—to which reference was made recently in these columns—was partly lifted on September 20 (see p. 329) by Sir Cecil Weir (Director-General of Equipment and Stores at the Ministry of Supply). It now becomes possible to examine something of what has been done by British manufacturers to meet the enormous demand for the drug. War-time conditions have, of course, held back British production, *vis-à-vis* that of the United States, but the statement suggests that this state of affairs will not persist when plans now proceeding come to fruition. On the contrary, Britain will soon have in operation the largest penicillin production unit in the world, and it will not be long before output is on a comparable basis with that of United States manufacturers.

While Sir Cecil Weir's remarks are exceedingly helpful, inasmuch as they give a clear indication that British production of penicillin is progressing with all possible speed, they fall short of answering two important questions regarding the drug that are being asked in responsible quarters. It is not known, for example, at what approximate date penicillin will be available without restriction for general medical use although, in view of enhanced production facilities, such a development cannot be long delayed. With regard to export trade in British-made penicillin, the only fact that has recently come to light is a statement from the Board of Trade (p. 333) that an export licence will be required.

The opportunity was taken by Sir Cecil Weir, on September 20, to contradict statements that have appeared recently regarding the liability to infection of penicillin in course of manufacture. Liability to infection is not, of course, denied; it is a misfortune that is particularly prone to

occur in fermentation processes, especially under novel working conditions. Knowledge of such a danger is, however, very largely its own safeguard, and the Government spokesman was able to make it clear that adequate precautions are being taken by manufacturers to maintain absolute sterility at every stage of production.

Stranger than Fiction

THERE may be no limits to what a journalist is called upon to do in the quest for news; but surely one of the queerest of self-imposed missions was that of a "Daily Express" staff man who set out recently to test the truth of a "truth drug" story. Theoretically such a drug should have made no difference to him, unless he was a leaded writer, for there is an age-old tradition in journalism that "the news is sacred," meaning that wherever else one indulges in romance, one adheres to strict truth in the news columns. Even if there are papers that no longer recognise the precept, we imagine there must be few journalists, even today, who would care to admit that a dose of sodium pentothal could have the slightest effect in modifying their story as written.

However, the journalist in question submitted himself to questioning under the influence of the drug. His reactions are not without interest, but it may be stated at once that his main question remains unsolved, for "at the end of the ten minutes test he had no idea what he had said," though aware that he was answering without a moment's hesitation. Unfortunately, his answers were "such as he would clearly never have given without fencing, but for the drug." Truth under such conditions may prove too embarrassing either to print or to quote in Court, and polite fictions may be preferable. In fact, neither as a guarantee of veracity nor as a method of testing is the procedure to be commended for adoption with other compounds. The recognised channels of research remain the best; truthful the lay "guinea-pig's" intentions may be, but his recorded reactions, given in untechnical language, may often prove a grotesque caricature of scientific truth. They may indeed be "stranger than fiction," and the more so for being the outpourings of a man with the gift of words.

PENICILLIN PRODUCTION: AN OFFICIAL VIEW

At a luncheon that followed the visit of government representatives and the Press to the penicillin factory of Glaxo Laboratories, Ltd. (p. 322), at which the visitors were welcomed by Mr. H. Jephcott, Ph.C. (managing director), a statement on penicillin production was made by Sir Cecil Weir (Director-General of Equipment and Stores, Ministry of Supply). Sir Cecil Weir said:—

I have been very interested in the demonstration we have witnessed this morning. Messrs. Glaxo are to be congratulated on the splendid work they have done in developing the production of penicillin in the United Kingdom. They are now running three factories, and will shortly be opening a fourth, in which they will be introducing the very latest production processes and from which we anticipate they will obtain a large output of this miraculous drug. Penicillin is very much in the public eye, and I am glad that we can now talk more freely about the firms which are making it. During the war, when key installations were open to enemy attack, it would have been wrong to divulge information relating to the location of the factories concerned, but today we need not have any such inhibitions, and can indeed be proud to disclose how many leading manufacturers in this country are engaged in the production of the drug.

Largest Production Unit for Britain

Penicillin was, as you know, a British discovery, and it is to Sir Alexander Fleming that the world owes this great boon, and to Sir Howard Florey, Professor Raistrick, and other distinguished scientists, that so great a debt is owed for its development. My own Ministry has no reason to conceal its connexion with the initiation of production in this country. When it became evident in 1942 that factory production was a feasible proposition we gathered the potential manufacturers and the interested scientists together and, as a result of the team-work then instituted, production is now under way or about to commence in twelve factories, run by eight firms which are world-famous in the pharmaceutical field or in fermentation processes. Britain will soon have in operation the largest penicillin production unit in the world at Speke, Liverpool, and one of the largest at Barnard Castle, co. Durham, the latter to be run by Glaxo Laboratories, Ltd. In 1942 and succeeding years, Britain's re-

sources in building and operational labour, not to speak of scientific and technical staff, who were much preoccupied with other war activities, were so strained that this country could not expect to make the same rapid progress in the early days of the programme as was achieved in the United States, which started production simultaneously with the United Kingdom, and with whose scientists and manufacturers close touch has been maintained throughout.

U.S. Production to be Equalled

It will not be long before Britain is producing on a comparable basis with her American friends. It is gratifying that, thanks to the good relations which have existed with the U.S.A., and to the Lend-Lease arrangements, this country has shared with America, for military purposes, the greater production which that country was able to obtain during the war. The history of penicillin production during the war has much in common with that of the atomic bomb, in which British and American science co-operated, but of which the production was located in U.S.A. owing to the much greater facilities there available, and to their freedom from bombing. In the case of penicillin, happily it was not necessary to go so far, for it was possible to plan a substantial production in the United Kingdom, and this is now expanding rapidly.

Sterility Safeguards

I have seen references in the Press to the liability of infection in the course of manufacture. This danger always exists in any fermentation process, particularly in the early development of a new factory, but you may take it from me that every precaution is taken by the manufacturers to maintain absolute sterility in the course of production. Suggestions that a great deal of penicillin is affected by infection might give rise to a serious misconception. The trouble, when it occurs, is trapped before ever penicillin is produced, and the quality of the finished product cannot, therefore, be in question.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to present conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D., 17 Argyle Street, Bath, Somerset.

EMPLOYEE PHARMACISTS PLAN NEW COUNCIL

RESOLUTIONS supporting the formation of a National Council for Employee Pharmacists, and calling on the Council of the Pharmaceutical Society to provide facilities for forming employee-pharmacist sections within the framework of the branch organisation, were carried at a meeting of employee pharmacists held at Bloomsbury Square, London, on September 20. The object of the meeting was to create, on a provisional basis, a single body of employee pharmacists. The advertised chairman (Mr. J. F. McNeal), being prevented from attending by a motor accident, the chair was occupied by MR. J. ROSS-MANSELL, who welcomed those present, who had travelled, he said, from all over the country to take part in the proceedings. Following correspondence in the pharmaceutical Press, and in reply to letters sent to members of the various craft organisations, over 2,000 replies expressing whole-hearted approval of the aims of the meeting had been received. Mr. Ross-Mansell read excerpts from correspondence with the Minister of Health, who had expressed his interest in the proposals. He appealed to members present, and to the large number of pharmacists unable to attend, to rise above personal and sectional prejudices, and to endeavour to achieve craft unity. Many attempts in the past, he said, had failed, and although he could give no assurance that the present attempt would be successful, the response at the present juncture was heartening, and the work would go on. Many proprietor pharmacists had expressed sympathy.

Apathy to be Overcome

Declaring that the apathy of the profession towards its future must be overcome, MR. W. E. PHILLIPSON, Manchester, said the balance of representation must be restored before pharmacists could, with any confidence, claim their dues. By some means or other a body must be formed that was representative of every section of pharmacy, a body that would see the problems of each section against the background of a common tie. He suggested that the only body that could fulfil these functions would be the proposed National Council of Employee Pharmacists, and he was sure there were enough men and women within the Society possessing the energy and vision to carry through such an organisation to triumph.

Making it clear that the proposed Council was not sponsored by any existing organisation, MR. G. H. ARMITAGE said he had

striven for years to secure unity, and had been dismayed at the sectional groups that had arisen and failed to arouse any great support. He appealed to organised pharmacists, and to the large reservoir of unorganised members of the Society, to get together within its framework. John Bell, while working for the foundation of the Society, had said, "In every place there are a few who take a lively interest in the advancement of our profession, there are a few who are satisfied with our present state of mediocrity and are indifferent to any improvement, but the majority appear to hesitate upon the threshold, unwilling to take a decision, but convinced of the necessity for some regulation and only waiting to see a commencement made before they take the field." These words, said Mr. Armitage, were as true today as when they were uttered, and he asked pharmacists to remember their obligations to their comrades in the Forces who had expressed a desire for action to be taken on their behalf.

Two Resolutions

Discussion followed, during which an assurance was given that the proposed Council would not interfere in trade-union activities. A resolution "that this meeting supports the formation of a National Council of Employee Pharmacists" was proposed by MR. KEY, seconded by MR. GRAINGER, and carried unanimously. The second resolution was passed with one dissentient. It was in the following terms: "That this meeting calls on the Council of the Pharmaceutical Society of Great Britain to provide the necessary facilities for the formation of employee pharmacists' sections within the framework of the branches." The proposer was MR. ARMITAGE and the seconder MR. A. T. LEWIS, Cheshire.

THE CHAIRMAN announced that a copy of the second resolution, together with the signatures of some of the members present, would be forwarded to the Council of the Pharmaceutical Society. Members present resolved to instruct the acting organising committees to continue as at present constituted, and it was requested that all communications should be sent to 25 St. Margaret's Road, Edgware, Middlesex. The chairman hoped all present would help by seeing that delegates were appointed.

Redeemable.—Even paper promises can be made valid—by the salvage collectors.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

MR. CHARLES ABERNETHY, Ph.C. (president) occupied the chair at the monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland, held in Belfast, on September 7. Also present were Messrs. James McDowell (vice-president), J. W. Gray, J.P. (treasurer), H. H. Cowzer, James Donaghy, S. H. Forrest, F. J. Grimes, J.P., James Irwin, F. Moore, H. F. Moore, H. T. Nicholl, and Professor E. B. C. Mayrs, M.D. Mr. D. L. Kirkpatrick (secretary) was in attendance.

Deputy to Secretary

MR. KIRKPATRICK read the report of a committee appointed to make out a short list of applicants for the position of deputy to the secretary. The list, which contained twenty-eight names, had been reduced to four, namely, Lieutenant W. Gorman, Messrs. G. McCloy, J. McClenahan, and H. Gwynne. The first three, who attended in person, were interviewed by the Council; on a vote being taken, the position was given to Lieutenant Gorman. THE SECRETARY also reported that Miss Roulston (office assistant), who had temporarily left the Society's employment for the duration of the war on enlistment in the Women's Royal Naval Service, was now being demobilised, but would not be taking up her duties again as she was getting married. A recommendation from the Finance Committee that the present temporary office assistant (Miss Kennedy) should be retained at a salary of £3 per week was endorsed by the Council.

A recommendation from the Education Committee that the examinations should be held in the third week in December was agreed to.

Regulations Under Medicines Act

The Council considered the adoption of the Regulations made by the Minister of Home Affairs under Sections 30 and 32 of the Medicines, Pharmacy and Poisons Act (N.I.), 1945. After careful consideration the Regulations were agreed to, with minor amendments. Mr. J. N. Patterson (inspector) was in attendance, and Mr. S. Dale (chairman, Londonderry Chemists' Association) was present by courtesy of the president.

The following pharmaceutical representatives on the Council, who were due to retire, offered themselves for re-election: Messrs. H. H. Cowzer, J. W. Gray, J.P., J. McGregor, and W. C. Tate. There being no other nomi-

nations they were re-elected. Messrs. James Irwin (a former member) and Harold J. Nelson (a new candidate) were returned unopposed as druggists' representatives, there being no other candidates.

Londonderry Visit

The meeting was then adjourned until September 13, when the members met in Londonderry. In the absence of Mr. J. W. Gray, J.P., the financial statement was read by THE VICE-PRESIDENT (Mr. James McDowell) and considered most satisfactory. On the motion of Mr. J. MCGREGOR, seconded by Mr. S. H. FORREST, the Council agreed that it should be adopted, printed and circulated. The Council also assented to a proposal by Mr. MCGREGOR that the annual meeting of the Society be held at 3 p.m. on Monday, October 1.

The following were appointed to act as scrutineers of the ballot at 11 a.m. on October 1: Messrs. H. F. Moore, James McDowell, H. T. Nicholl and D. L. Kirkpatrick.

Local Welcome

The Council members were present by invitation of the Londonderry Chemists' Association and included Messrs. Charles Abernethy (president), James McDowell (vice-president), J. Donaghy, H. T. Nicholl, J. Irwin, J. McGregor, S. H. Forrest, James Glendinning, H. H. Cowzer, H. F. Moore, Professor E. B. C. Mayrs, M.D., and the secretary (Mr. D. L. Kirkpatrick), with their wives and members of their families. The visitors were welcomed to Derry by Mr. S. Dale (chairman, Londonderry Chemists' Association) and Miss Dale, Mr. E. D. Barr (vice-chairman) and Mrs. Barr, Mr. E. C. Steenson (secretary) and Mrs. Steenson, Mr. and Mrs. R. Blair, Messrs. S. E. Campbell and D. Chambers, Mr. and Mrs. H. Craig, Messrs. A. E. Dickson, W. A. Gamble, James Glendinning (an ex-president of the Council), Mr. and Mrs. H. M. Kelly and Mr. and Mrs. H. E. Young. Others present included Mrs. Buchanan, the Misses A. Burns, M. Byrne and P. Coulter, Mr. and Mrs. W. Donaldson, Mr. T. Hamilton, Miss M. Heney, Mr. and Mrs. T. Lee, Mr. Murphy, Mr. and Mrs. D. McCafferty, Miss N. O'Donnell and Mr. Pat Shiels.

The programme included a walk around the historic walls and a trip on the Foyle, which permitted a view at close quarters

of surrendered U-boats with their crews. Some members of the party preferred a visit to the centuries-old cathedral, and were conducted through it with the Dean as their guide. After tea, Mr. S. DALE again warmly welcomed the members of the Council, and Mr. C. ABERNETHY, in reply, said it was not necessary for him to go into details about the Society's activities. During the year members had been busily engaged with the new Pharmacy Bill, whose passing they believed to be a forward step. Now that their work upon it was finished, they were pleased to accept the kind invitation of their Derry friends to that delightful reunion in the "Maiden City." He took the opportunity of thanking Mr. Glendinning, their popular representative on the Council, for his helpful suggestions and sound advice. He was a man of integrity, a valuable colleague, and a staunch friend. On behalf of the Council he thanked

them all for the royal welcome they received and for the interesting program that had been supplied for their entertainment. All the members loved to come Derry because they always enjoyed the selves so much. With the ending of war a new era was opening, with fr opportunities and a much extended sp of influence. He believed the Council wo continue its quiet but useful and success work for its members and associates. (note of regret he would mention— impending resignation of their secret (Mr. Kirkpatrick). Mr. Kirkpatrick I been a great friend of the Council and members, and they would greatly miss h He knew that Mr. Kirkpatrick did not flattery, but all admired his untiring w for the welfare of the Pharmaceut Society. MR. E. BARR (vice-chairm Londonderry Chemists' Association) spoke.

IRISH NOTES

Eire Pharmacy Students.—At a meeting of the Eire Pharmaceutical Students' Council, held recently in Dublin, it was reported that, as a result of representations made to the officers and Council of the Pharmaceutical Society of Ireland, several adjustments in the examinations had been secured. A ruling had also been secured upon the use by students of the front entrance to the Society's premises.

Irish Chemists' Golf.—The Irish Chemists' Golfing Society held a successful outing to Rathfarnham golf club on September 12, when competitions were held for prizes presented by Steel Products, Ltd., Scott & Turner, Ltd., and Northam Warren, Ltd. The winner of the first game, an eighteen-holes strokes competition, was Mr. Peter Kelly (20), with 67, and the runner-up was Mr. J. F. Walsh (9), with 68. In the bogey competition the winners were: Mr. M. L. Cashman (16), all square; Mr. M. Daly (19), two down; Mr. E. MacManus (16), two down; Mr. J. Murray (14), two down; and Mr. W. F. M. Keys (23), two down. Mr. Stanley Savage presided at a supper at the club house and presented the prizes. A vote of thanks to the donors of prizes was passed on the motion of Mr. P. Kelly, seconded by Mr. J. F. Walsh. Thanks to the Rathfarnham club was passed on the motion of Mr. Cashman, seconded by Mr. Daly. The next and final competition of the Society for the season will be at Elm Park Golf Course on October 10, for the trophies presented by Kodak, Ltd.

Ulster Chemists' Golf.—The Ulster Chemists' Golfing Association, on September 12, held its first annual competition for R. J. Groves Memorial cup, presented Mr. W. B. Groves in memory of his father. The cup was won by Mr. T. Currie, Belfast, who beat Mr. T. McCann, Castlewellan, the nineteenth green. During lunch business meeting was held, when the secretary read apologies from the president (Mr. F. D. McMullan) and from Mr. A. Shaw. Mr. W. J. Rankin presided. The secretary read draft rules prepared by special subcommittee, explaining the reasons for formally setting up the Association. Mr. Rankin reviewed the course of the chemists' competitions since 1918, when he and Mr. McMullan had invited a few chemists to join them in a friendly game at Greenisland. The following year The McMullan & Co., Ltd., had presented a cup which was won outright a few years later. Messrs. McMullan then presented a perpetual challenge cup, and the competition for the trophy had been played each year until early in the war. Mr. Rankin expressed pleasure in having a cup from Mr. Groves. The draft rules were approved, and the rules of the Ulster Chemists' Golfing Association. Mr. Groves received a vote of thanks. Messrs. W. B. Groves and W. J. Rankin were unanimously elected vice-presidents of the Association. Winners in the afternoon bogey competition were Messrs. A. A. Harding, Lisburn, and J. Watt, Bangor.

EXPORT CONTROL RELAXATIONS

IMPORTANT relaxations in the restrictions on exports, side by side with a few additions to the list of controlled items, are announced in an Export of Goods (Control) (No. 7) Order, 1945 (S. R. & O., 1945, No. 1146), which came into operation on September 24. Machinery, with certain exceptions not of interest to the drug trade, has been released from control. Instruments and apparatus, except surgical instruments and appliances, certain cinematograph cameras and lamps, spectacles and lenses, are now free.

Drugs and Chemicals Deleted from List

Drug and chemical items deleted from the list of products to which export licensing restrictions apply include the following, taken from the "Board of Trade Journal" (September 22). Items marked with an asterisk have been deleted in part only, otherwise modified.

GROUP 1.—Cassava root; maté; rennet; spices, etc.; *spice seeds, etc.; saccharin, etc.

GROUP 3.—Casein, etc.; *gums, etc.; *waxes,

GROUP 13.—Acetaldehyde; acetals; acetanilide; acetic acid; acetic anhydride; acetone; anise oil and methyl acetone; adonitol; aniline; amidopyrine; 2-aminopyridine and its salts; mono-ammonium phosphate; amyl acetate; amyl alcohol; amyl salicylate; amyl acetate and its salts; aniline (aniline oil) and its salts; anilines, alkylated, and their salts; anilous chloride; benzaldehyde; benzidine and its salts; *benzoic acid, etc.; benzoyl chloride; benzyl chloride; bromine; butyl acetate; butyl alcohol; butyric acid, etc.; calcium mass; cadmium sulphide; caffeine and sodium benzoate; caffeine and sodium acetate; caffeine and sodium salicylate; calabar beans; calcium acetate; calcium arsenate; calcium carbide; carbomalt; carrageen moss; carbinol; cellulose acetate; *cellulose nitrate (nitrocellulose), etc.; chloracetic acid; chlorobenzene; *chlornitrobenzene; cinchophen; *tar products:—benzol and benzene, chloroform and its liquid polymers, high-boiling acids, indene and its liquid polymers, naphthalene solvent and heavy, quinoline and its salts, stearine and its liquid polymers, toluol and toluene, xylol and xylene; *cobalt compounds; cresol sulphate; cyclohexanol; cystine; diacetate; alcohol; 4:4' diamidinodiphenoxypentane; 4:4' diamidinodiphenoxypropane; 4:4' diamidinostilbene; diethanolamine and its salts; diethyl diphenyl urea (carbamite or carbamate); dimethyl diphenyl urea (carbamite or centralite); dimethylaminoethanol and its salts; divinyl ether; ergotamine and its salts; ergotamine and its salts; erythritol; (sulphuric); ethyl alcohol; ethyl cyanate; ethylene dibromide; ethylene dichloride (chloroethane); formaldehyde; gall nuts;

gentian and its extracts; glycogen; H-acid (amino naphthalene di-sulphonic acid); hamamelis leaves; hexamine and its salts; ichthammol; inositol; *insecticides, fungicides, weed-killers, etc.; isopropyl acetate; isopropyl alcohol; lactic acid, etc.; lactide; liquorice root and its extracts; litmus and its preparations; mannose; melezitose; melibiose; methyl acetate; methyl alcohol (including wood spirit); methylated spirit; naphtha, wood; naphthalenes, chlorinated; naphthols; naphthylamines and their salts; neoarsphenamine; neohalsarsine; nitranilines and their salts; nitrobenzene (oil of mirbane); *nitrophenol; *nitrotoluene; oestradiol and its esters; oestrone and its esters; organic thiocyanates, etc.; ouabain; oxalic acid; *parachlormeta; phenol and preparations thereof; paraformaldehyde; parathion; phenazone and its salts; phenolphthalein; phloroglucinol; *picric acid; potassium chlorate; potassium guaiacolsulphonate; potassium perchlorate; potassium permanganate; pregnenolone (anhydrohydroxy progesterone); propyl alcohol, normal; pyrethrum flower and extracts; quassia; quinoline anhydride; resorcinol; rhamnose; rubber accelerators, anti-oxidants and vulcanisers; salol; salt; *scilla (squill), etc.; sodium arsenate; sodium di-hydrogen phosphate (acid sodium phosphate); storax; strontium nitrate; strontium oxalate; strophanthin; strophanthus; *sulphanilamide and its derivatives; sulphonic acid; sulphapyridine; tannic acid; terpineol; thiourea and its salts; tin compounds; toluidine and its salts; toluidine blue; trehalose; triacetin; *trinitrophenol; trioxymethylene; tryptamine; tryptophane; tyrosine; urease; valerian; witch hazel, distilled, etc.; xylose; zinc oxide, etc.

(Note.—The items nitrophenol, nitrotoluene, picric acid and trinitrophenol remain subject to export control under the item relating to explosives in Group 17.)

GROUP 15.—*Unexposed sensitised photographic film, etc.

Additions to List

A few substances, either because of shortage of supplies or the need to control distribution, are, on the other hand, added to the list. They are as follows:—

Penicillin and its salts and concentrates, and preparations thereof; uranium, thorium and their compounds; ferro-uranium; and mixtures containing such substances; boric acid and borax; dimethylamine and its salts; parphenetidine; mixtures of or containing potassium hydroxide and lithium hydroxide; mixtures containing carbon black; ethyl silicate; esterification products of gum copal.

Exporters are advised to consult the Order itself to ascertain the position of goods with which they are concerned; copies may be obtained from H.M. Stationery Office, Kingsway, London, W.C.2, price fourpence.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include exceptional marine risk insurance and other abnormal charges payable under present conditions.

28 Essex Street, W.C.2, September 26

GENERAL business in the London drug and chemical markets continues quiet, with few price changes. A good deal of inquiry is being received for export goods, but in many instances the items required are not readily available. Price fluctuations have been more the exception than the rule during recent weeks, and where changes have occurred they have generally amounted to small proportions of the price. The relaxations in export control noted on p. 333 are of considerable interest to the trade, as they point the way to an eventual resumption of export business in drugs and allied products. So far as CRUDE DRUGS are concerned, the list contains only a few items, and it is unlikely that the relaxations will make an appreciable difference to the position. It is noted that some of the articles freed from control are those in short supply. On the other hand, the release from export control of a substantial number of CHEMICALS is a welcome feature that will materially assist export trade. A further move in the right direction is to be seen in the notice sent out by the Directorate of Medical Supplies, to the effect that it is no longer necessary to submit details of proposed sales of some sixteen crude drugs (aconite, areca nuts, copaiba balsam, Peru balsam, buchu leaves, cannabis indica, cascarilla bark, colocynth pulp, croton seeds, dandelion root, euphorbia herb, guaiacum gum, ispaghula seeds, krameria, sarsaparilla and uva-ursae leaves). The only item of interest to report in PHARMACEUTICAL CHEMICALS is an advance in the price of IODIDES, as a result of a rise in manufacturing costs. The increase is small, being approximately threepence per lb. Business in these goods has moved along slowly at steady prices. A sharp drop in MERCURY prices has been notified by the Ministry of Supply (see p. 336), but details of the schedules were not available at the time of going to press.

Crude Drugs

Although business in CRUDE DRUGS is not important, a fair amount of inquiry is being received. Prices are generally firm at recently reported levels. No changes have occurred in BALSAMS. BELLADONNA continues in quiet demand at recently

quoted prices. CARDAMOMS varieties are slow and unchanged. As noted last week Mombasa CHILLIES is rather dearer on spot. CLOVES is a quiet market, with the spot price of Zanzibar fractionally easier. ERGOT continues scarce, with the price nominal. GUM ACACIA is firm, but no advance in price is recorded. A parcel of low-testing Indian HENBANE is available at a cheap rate. SEEDS continue in good inquiry, but little business is being done. First arrivals of SENEGA ROOT appear to have fetched quite good prices. Some varieties of CARNAUBA WAX are dearer on spot.

Essential Oils

The position of ESSENTIAL and FIXED OILS has shown practically no change during recent weeks. Supplies of essential oils outside the control scheme are negligible. English-distilled NUTMEG is scarce and dear.

Exchange Rates on London

The following is a list of Bank of England fixed rates at the opening on Wednesday morning:—

Centre	Quoted	September 26
*Alexandria	Piastres to £	97½-97¾
Brussels	Francs to £	176½-176¾
*Chunking	Per \$	23½-3 10
Copenhagen	Kroner to £	19.32-19.34
Dutch West Indies ..	Florins to £	7.58-7.62
Paris	Francs to £	199½-200½
Lisbon	Escudos to £	99.80-100.20
Montreal	Dollars to £	4.43-4.47
New York	Dollars to £	4.02½-4.03½
Stockholm	Kronor to £	16.85-16.95
Zurich	Francs to £	17.30-17.40

* Free market rates

Pharmaceutical Chemicals

ASPIRIN.—Prices per lb., for lots of 28 lb., 1 cwt., are as follows (containers in brackets): 4s. 1d. (1-lb.); 3s. 11½d. (4-lb.); 3s. 10½d. (7-lb.); 3s. 10d. (14-lb.). Terms: Net one month.

BRUCINE.—Current rates per oz. are as follows: ALKALOID.—Under 25 oz., 1s. 4½d.; 25 oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s. 3½d. NITRATE and SULPHATE.—Under 25 oz., 1s. 3½d.; 25 oz. and under 100 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. 2½d.

CODEINE.—Current prices per oz., for small lots, are as follows: BASE.—½ oz., 55s. 3d.; 1 oz.,

s. 9d.; 2 oz., 5s. 3d.; 3 oz., 5os. 6d.; 4 oz., s. 3d. HYDROCHLORIDE.— $\frac{1}{2}$ oz., 5os.; 1 oz., s. 6d.; 2 oz., 46s.; 3 oz., 45s. 3d.; 4 oz., s. PHOSPHATE.— $\frac{1}{2}$ oz., 43s. 9d.; 1 oz., s. 3d.; 2 oz., 39s. 9d.; 3 oz., 39s.; 4 oz., s. 9d.

DEXTROSE.—Current rates per oz., for small quantities, are as follows: BASE.— $\frac{1}{2}$ oz., s. 6d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 3 oz., s. 9d.; 4 oz., 53s. 6d. HYDROCHLORIDE.— $\frac{1}{2}$ oz., 54s. 3d.; 1 oz., 51s. 9d.; 2 oz., 5os. 3d.; 3 oz., 49s. 6d.; 4 oz., 49s. 3d.

DIAMORPHINE.—Current rates per oz., for small quantities, are as follows: BASE.— $\frac{1}{2}$ oz., s. 6d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 3 oz., s. 9d.; 4 oz., 53s. 6d. HYDROCHLORIDE.— $\frac{1}{2}$ oz., 54s. 3d.; 1 oz., 51s. 9d.; 2 oz., 5os. 3d.; 3 oz., 49s. 6d.; 4 oz., 49s. 3d.

ETHYLMORPHINE.—Small quantities are quoted per oz. by makers as follows: BASE.— $\frac{1}{2}$ oz., 51s. 6d.; 1 oz., 59s.; 2 oz., 57s. 6d.; 3 oz., 56s. 9d.; 4 oz., 56s. 6d. HYDROCHLORIDE.— $\frac{1}{2}$ oz., 53s.; 1 oz., 5os. 6d.; 2 oz., 49s.; 3 oz., s. 3d.; 4 oz., 48s.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): KALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 2 oz., 87s. 6d. (6s.). HYDROCHLORIDE, HYDROMIDE AND SULPHATE.—1 oz., 75s.; 4 oz., 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—Owing to an advance in manufacturing costs prices for the home market have been increased as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s. 3d.; 28 lb., 9d.; 14 lb., 1os. 3d.; 7 lb., 11s. 9 $\frac{1}{2}$ d.; 4 lb., 13s. 3 $\frac{1}{2}$ d.; smaller quantities, 12s. 9d. per lb. POTASSIUM IODIDE, B.P.—28 lb., 1os. 2d.; 14 lb., 11s. 8d.; 7 lb., 12s. 5 $\frac{1}{2}$ d.; 4 lb., 13s. 1 $\frac{1}{2}$ d.; smaller quantities, 13s. 11d. IODOFORM, B.P.—28 lb., 11s. 4d.; 14 lb., 13s. 10d.; 7 lb., 16s. 0 $\frac{1}{2}$ d.; 4 lb., 17s. 10 $\frac{1}{2}$ d.; smaller quantities, 17s. 8d. IODOFORM PREPARATIONS.—2s. per lb. above powder prices. POTASSIUM RESUBLIMED, B.P.—112 lb., 1os. 8d.; 28 lb., 11s. 2d.; 14 lb., 11s. 8d.; 7 lb., 13s. 5 $\frac{1}{2}$ d.; 4 lb., 14s. 1 $\frac{1}{2}$ d.; smaller quantities, 14s. 10d.

MAGNESIUM CARBONATE, LIGHT.—Makers' market prices per lb., in quantities of 1 lb.—1 cwt., are as follows (containers in brackets): 1s. 3 $\frac{1}{2}$ d. (1-lb.); 1s. 2d. (4-lb.); 1s. 1d. (7-lb.); 1s. 0 $\frac{1}{2}$ d. (14-lb.); 1s. (28-lb.). Prices net one month.

MAGNESIUM TRISILICATE.—Home market prices per lb., for quantities of 28 lb.—1 cwt., are as follows (containers in brackets): 3s. 9d. (1-lb.); 3s. 7 $\frac{1}{2}$ d. (4-lb.); 3s. 6 $\frac{1}{2}$ d. (7-lb.); 3s. 6d. (14-lb.); 3s. 5 $\frac{1}{2}$ d. (28-lb.). Prices net one month.

MANDELIC ACID.—In good demand; 1 lb., 1s. 1d.; 4 lb., 2os. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

MERCURY IODIDES.—The following are the makers' prices per lb.: RED, less than 7 lb., 1s. 8d.; not less than 7 lb., 2os. 2d.; not less than 14 lb., 19s. 8d. GREEN, less than 7 lb., 1s. 8d.; not less than 7 lb., 2os. 2d.; not less than 14 lb., 25s. 8d. YELLOW, less than 7 lb., 1s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

POTASSIUM PERMANGANATE.—Current rates are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8 $\frac{1}{2}$ d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5 cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms quoted are net, carriage paid station, containers extra and returnable.

SANTONIN.—Prices per kilo are as follows (price per oz. in brackets): 25 kilos, £42 (23s. 10d.); 10 kilos, £43 (24s. 5d.); 5 kilos, £44 (24s. 11d.); 2-4 kilos, £45 (25s. 6d.); 1 kilo, £46 (26s. 1d.); 500 gm., £47 (26s. 8d.); 250 gm., £48 (27s. 3d.); 100 gm., £49 (27s. 9d.); smaller lots, £50 (28s. 4d.).

SODIUM SALICYLATE.—Makers' prices per lb., in quantities of 28 lb.—1 cwt., are as follows (containers in brackets): 3s. 0 $\frac{1}{2}$ d. (1-lb.); 2s. 11d. (4-lb.); 2s. 10d. (7-lb.); 2s. 9 $\frac{1}{2}$ d. (14-lb.).

Crude Drugs

ALOES.—Curaçao is offered on spot at 32os. per cwt.

ANTIMONY.—Prices of English minimum 99 per cent. regulus are steady at £112 10s. per ton, delivered; 70 per cent. crude, for the home trade, £90.

ARECA NUTS.—Dealers continue to offer wormy material at 85s. per cwt.

BALSAMS.—Peru is steady at 8s. per lb.; Canada, nominal at 12s. 9d.

BELLADONNA.—English herb continues to be quoted at 4s. 6d. per lb. Indian root, testing 0.25 per cent., would be worth 2s. 3d. per lb., if available.

BISMUTH.—In steady demand. Price remains at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU LEAVES.—Limited quantities are priced on spot at 5s. 3d. per lb.

CARDAMOMS.—Market slow, prices unchanged. Aleppy greens, spot, 5s. 6d. per lb.; Aleppy seed, 6s. 3d.

CASCARILLA.—A parcel of quills due shortly will be offered at 3s. 3d. to 3s. 6d. per lb.

CHAULMOOGRA.—*Hydnocarpus*, spot, 2s. per lb., in tins in cases.

CHILLIES.—Mombasa, spot, 11os. per cwt.

CINNAMON CHIPS.—Quoted on spot at 2s. 2d. per lb., ex store, London.

CLOVES.—Quiet conditions obtain with spot sellers of Zanzibar at 1s. 5d. per lb.; to arrive, 10 $\frac{1}{2}$ d. per lb., c.i.f.

COCHINEAL.—Silvers are steady on spot at 5s. 9d. per lb.

COCOA BUTTER.—Maximum official price is 1s. 5 $\frac{1}{2}$ d. per lb., except for sales under licence.

COLOCYNTH.—Fair white may be obtained on spot at 2s. 6d. per lb.

DIGITALIS LEAVES.—Quiet; prices unchanged. Portuguese, spot, 140s. per cwt.; English, 2s. 6d. per lb.

ERGOT.—In short supply at 6s. 6d. per lb.

GINGER.—West African quoted on spot at 85s. per cwt.

GUM ACACIA.—Market continues firm. Kordofan cleaned sorts, spot, 70s. per cwt.; bleached, 175s.; Talha, cleaned, 47s. 6d.

HENBANE.—Indian is quoted on spot at 250s. per cwt., and Egyptian (*muticus*) at 85s. Some low-testing Indian may be had at 9d. per lb.

JALAP.—12 per cent. would be worth 4s. 6d. per lb., and 10·1 per cent., 3s.

KAMALA.—Material testing 6 per cent. is quoted at 2s. 9d. per lb.

KARAYA GUM.—No. 1 gum is quoted on spot at 210s. per cwt.

LIQUORICE ROOT.—Turkish, afloat, 85s. per cwt., landed.

MALE FERN ROOT.—Indian, steady on spot at 77s. 6d. per cwt.

MERCURY.—The Ministry of Supply announces that with effect from October 1, the price of mercury metal will be reduced by £38 10s. per bottle. Detailed revised price schedules will be issued in due course.

MYRRH.—Good-quality Aden sorts would bring in £18 per cwt., spot.

NUTMEGS.—Supplies are very short; prices between 3s. 5d. and 3s. 9d. per lb. are asked.

PEPPER.—Whole, not picked over or cleaned, on sale to processors, is officially priced at 1s. 4d. per lb. for white and 1s. per lb. for black.

PIMENTO.—Spot sellers at 1s. 3½d. per lb.

QUASSIA CHIPS.—Spot is offered at 38s. per cwt., ex store U.K.

QUILLAIA BARK.—Spot, natural, 90s. per cwt.; cut, 110s.

SEEDS.—Quiet and without quotable change on the week. Current rates are as follows: **CORIANDE.**—Indian, none available, price nominal at 92s. 6d. per cwt.; Russian, fair amount here, but demand small, price 92s. 6d.; English, limited stocks, price 90s. to 95s. per cwt. **CUMIN.**—Maltese, 120s., sellers; Indian, same. **DILL.**—London, 85s.; Liverpool, 80s. **FENNEL.**—Supplies exhausted, nominal. **FENUGREEK.**—London, 75s.; Hull, 70s.

SENEGA ROOT.—First arrivals seem to have realised about 11s. per lb.

SENNA.—Alexandrian hand-picked pods are in good demand; price nominal at 4s. per lb. Good manufacturing Alexandrian pods, 2s. per lb.

STROPHANTHUS SEED.—Spot, 100 per cent. Kombé, 7s. 6d. per lb.

TRAGACANTH.—Medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15.

TURMERIC.—Quotations for bulk quantities are difficult to obtain; good-coloured fine powder may be had at 105s. to 110s. per cwt.

WAXES.—**BEES'.**—Prices of crude for the home trade were given in the *C. & D.*, June p. 570. **CANDELILLA.**—Spot, 242s. 6d. **CA NAUBA.**—Fatty grey, spot, 525s.; chalky grey spot, 505s.; prime yellow, spot, 600s.; medium yellow, 590s. **OURICURI.**—Spot, 320s. to 350s. according to quality; shipment, 285s., c.i.f.

Essential and Expressed Oils

CASTOR.—Official prices for bulk supplies are as follows: "Firsts," £82 per ton; "seconds" £80, both prices naked ex works.

CLOVE.—English distillers' prices are firm at from 12s. 6d. to 13s. per lb., according to quantity.

COTTONSEED.—Controlled prices for bulk supplies are as follows: Crude, £52 2s. 6d. washed, £55 5s.; refined edible, £57; refined deodorised, £58 per ton; all varieties are quoted naked ex works.

NUTMEG.—In poor supply; price of English distilled oil would be about 55s. to 60s. per lb.

OLIVE (EDIBLE).—The price charged to the wholesaler by the importers is 25s. 9d. per gallon, ex store. Prices charged by wholesaler to retailers are agreed by the Ministry of Food as follows: 33s. 6d. per gallon, in 1-gallon loan cans; 34s. 3d. per gallon, in ½-gallon loan cans; 35s. per gallon, in 1-quart loan cans; 36s. per gallon, in 1-pint loan cans.

Essential Oils Control

The following is a schedule of prices to user in original packages for oils imported by the Ministry of Food:—

Basil	25s. 8d., plus duty
	2s. 3d.
Bergamot	23s. 10½d.
Camphor	2s.
Caraway	20s. 9½d., plus duty
	1s. 10d.
Cedarwood	3s. 8½d., plus duty
	3½d.
Clary sage	129s. 1½d., plus duty
	11s. 6d.
Coriander	128s. 10d., plus duty
	11s. 6d.
Fennel	11s. 6d., plus duty, 1s
Lemon, cold-pressed,	
or Sicilian	17s. 4½d.
Lemon, distilled ..	11s. 9d.
Lime	47s.
Nutmeg	22s. 8d., plus duty, 2s.
Orange, bitter	18s. 6½d., plus duty,
	1s. 7½d.
Orange, West African	10s. 3d., plus duty
	10½d.
Peppermint	47s. 1d.
Tangerine	33s.
Vetivert	38s. 4d., plus duty,
	3s. 5d.
Wormseed	15s. 3½d.
Ylang-ylang	15s. 6½d., plus duty,
	1s. 4d.

TRADE MARKS

(From "The Trade Marks Journal," August 29, 1945)

BRILLOX"; for brilliantine (3). By Max Factor & Co., c/o Marks & Clerk, 57-58 Lincoln's Inn Fields, London, W.C.2. 630,457.

DRADET"; for toilet and cosmetic preparations, perfumes, soaps, mouth-washes, etc. (3); and for all goods (5). By C. F. Harcombe Cooper, 59 Bardon Chambers, Infirmary Street, Leeds, 1. 634,065-66 (both Associated).

H. G. WIBERG" (facsimile signature); for perfumery, soaps, essential oils, toilet and cosmetic preparations (3); and for pharmaceutical preparations (human and veterinary); sanitary preparations; medical and surgical plasters, etc.; antiseptics, disinfectants, deodorisers, insecticides, germicides; medicated shampoos (5). By H. G. Wiberg, 35 Old Bond Street, London, W.1. 634,413-14 (both Associated).

JUVENUS"; for medicated face creams (5). By Headland, Keene & Co., Ltd., 68 Fulham Road, London, S.W.3. 629,886.

Device of hand grasping arrow, with initials "R. C." and word "Limited," and scroll beneath containing words "Nec Minus Fortiter""; for pharmaceutical preparations, medical and surgical plasters, etc., disinfectants (5); also for mineral and aerated waters, syrups, etc., all for sale within a radius of fifty miles from Town Hall of Huddersfield. By R. Cuthbert, Ltd., 10 & 12 Westgate, Huddersfield. B630,562, B630,608.

POK"; for pine disinfectants and antiseptics (5). By S. T. Chemicals, Ltd., 214 Bishops-gate, London, E.C.2. 632,224.

PEDEES"; for pharmaceutical preparations for treatment of the feet (5). By Antiseptic Products, Ltd., 105 Tonbridge Road, Maidstone, Kent. B633,105.

HYKINONE"; for medicinal preparations (5). By Abbott Laboratories, c/o Marks & Clerk, 57-58 Lincoln's Inn Fields, London, W.C.2. 633,240.

KOFFLENE"; for pharmaceutical preparations for treatment of coughs and colds (5). By F. L. Dent, 35A Gaolgate Street, Stafford. 633,763.

CREO-PHENOZEN"; for inhalants for use in treatment of asthma (5). By B. D. Edwards, 5 Beastmarket Hill, Nottingham. 634,307.

LUDA"; for weed exterminating preparations (5). By Tomlinson & Hayward, Ltd., 51 Newland, Lincoln. 634,635 (Associated).

ESCLOTONE"; for medicated tablets (5). By W. J. Rendell, Ltd., 161-65 Rosebery Avenue, London, E.C.1. 634,689.

HEXOPAL"; for pharmaceutical preparations (5). By Bayer Products, Ltd., 14 Waterloo Place, London, S.W.1. 634,833 (Associated).

CAMBROSE"; for medicinal and pharmaceutical preparations, and antiseptic and disinfectant preparations (5). By Canton Bros., 67 Singleton Road, Salford, 7. 634,945.

MICROGYNON" and **"MICROVIRON"**; for hormones prepared for use in medicine and

pharmacy; **"MICROLUTON"** for medicinal and pharmaceutical preparations (5). By British Schering, Ltd., 185-90 High Holborn, London, W.C.1. 634,701 and -03; 634,702 (all Associated).

"BIBSOL"; for edible oils and fats (29). By J. Bibby & Sons, Ltd., 21 King Edward Street, Liverpool. 634,873.

"KRINKA"; for non-alcoholic drinks, syrups, etc., fruit and tomato juices (32). By Ashe Laboratories, Ltd., 120-22 Victoria Street, London, S.W.1. 634,148 (Associated).

Device of a fountain and word "Schweppes" beneath; for wines and cordials (non-alcoholic) (33). By Schweppes, Ltd., Marble Arch House, 1 Connaught Place, London, W.2. 634,195 (Associated).

MISCELLANEOUS INQUIRIES

Freon.—*L. E. W.*—The name is in use for dichlorodifluoromethane, a substance used as a refrigerant.

Rufescine.—*L. W.*—The substance takes its name from *Haliotis rufescens*, a mollusc, from which it is obtained; it corresponds to the bile pigments in man.

Oil of Rose, B.P.C.—This is regarded by the Commissioners of Customs and Excise as not chargeable with purchase tax unless "put up" for toilet use.

R.G. 42 Soap Coupons.—*M. A.*—The number relates to a special page issued separately for inclusion in a baby's ration book and entitling the mother to extra soap. The coupons are labelled "Special Two" and numbered 1-48. Under the arrangements described last week (*C. & D.*, September 22, p. 299) coupons from 9 onwards may be surrendered by the customer in exchange for one soap ration per coupon.

Pulpy Kidney Disease in Lambs.—*W. M. N.*—The condition is an acute and fatal disease of sucking lambs, generally a few weeks old, caused by absorption of *Clostridium Welchii*, type D. It derives its name from the *post-mortem* appearance of the kidneys. The disease almost invariably affects well-fed lambs that are in an advanced and thriving condition. Symptoms are seldom noticed at first; the animals appear to be in normal health one day and the following day are found dead. Mortality seldom exceeds 2 to 4 per cent., so rendering field experiments difficult and inconclusive. Treatment is by means of passive immunisation of the lambs with the *Cl. Welchii* type D antiserum. As the disease occurs in well-nourished flocks, removal of the flock to poorer pastures may prevent further losses.

CORRESPONDENCE

One Way of Getting It

SIR,—A customer of mine asked for a proprietary tablet, which was out of stock. She then inquired for a small-size cotton-wool, and was offered a $\frac{1}{2}$ -oz. size, whereupon she remarked, "I did not really want the tablets. I could not get any wool and asked for the tablets to get the bit of wool in the top."

Yours faithfully,
H. A. BANCKS.

Brighton, 1.

A Coming-of-Age

SIR,—I see by your publication (*C. & D.*, September 22, p. 297) that I am reported as nearly completing fifteen years on the Council of the Pharmaceutical Society of Ireland. Will you be so kind as to contradict this, as the Society's calendar, corrected to March 10, 1925, shows me as then on the Council. In fact, I have completed twenty-one years—a coming-of-age.

Yours faithfully,
P. BROOKE-KELLY.

Enniscorthy.

Production Control Research

SIR,—I have read with interest in your issue of September 15 an article signed by "Xrayser" in which he refers to the functions of the British Export Trade Research Organisation, *vis-à-vis* the general subject of the establishment of production control research groups. I think I should point out that B.E.T.R.O.'s functions are solely to carry out market and consumer research overseas and that they would therefore neither overlap nor conflict with production control research.

Yours faithfully,

London, S.W.1.

PHILIP BAKER.

Link With Eighteenth Century

SIR,—We enclose a copy of a letter which we have sent to "The Times." We think it may be of interest to your readers.

We yesterday received a visit from Mr. and Mrs. George Hireson. Mr. Hireson entered the service of this firm in 1863 at the age of ten and retired on pension in 1924. He has been married for sixty-eight years. He has vivid recollections of Luke Howard, F.R.S., the eminent meteorologist and chemist, who founded this firm in 1797 at the age of twenty-three. I think you will agree that this constitutes a very interesting link with the eighteenth century, to say nothing of continuity of connexion in a commercial undertaking.

Yours faithfully,
HOWARDS & SONS, LTD.,

Ilford.

G. E. HOWARD, director.

Employee-Pharmacists' Plan

SIR,—May I ask for the courtesy of your columns to thank the many hundreds of pharmacists from all parts of the country who have written expressing their approval and support of our attempt to achieve unity by the formation of a National Council of Employee Pharmacists. It is quite impossible to acknowledge them individually, and I hope they will accept this expression of thanks for their support and offers of help. They can rest assured that we will not willingly depart or deviate from the course which we are convinced will lead to success.

Yours faithfully,
J. ROSS-MANSELL,
On behalf of the organising committee.

Coupon Cutting

SIR,—Unless, perhaps, my pharmacy is unique, your contributor in last week's *C. & D.* (p. 299) on coupon cutting must have just awakened from a long, long sleep! He writes that chemists were conscripted to the ranks of "clippies" on September 16. Surely I am not the only chemist who sells rusks, unmedicated pastilles and tea, and has perforce taken coupons for many weary months.

Yours faithfully,
R. J. BRAND.

Thame.

SIR,—The article on coupon cutting (*C. & D.*, September 22, p. 299) is most instructive, but in the first paragraph omits the cutting-out of points for rusks, so that the chemist has had a little practice in advance of the soap procedure. The method of dealing with the baby ration (R.G. 4) is omitted, and an explanation of this would have completed the instructions. Judging by the way these forms have been cancelled by other dealers in soap, there appears to be some misunderstanding as to the correct way to use these coupons. So far, we have had no instructions as to whether we are to receive further supplies against the coupons surrendered.

Yours faithfully,
B. RUSHWORTH.

Guseley.

[Our humble apologies to those chemists who have never ceased to supply rusks, etc., which we had quite overlooked, thus fully deserving the cutting comments of our correspondents. The method of dealing with R.G. 42 is discussed in Miscellaneous Enquiries.—EDITOR.]

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FAT-FREE desiccant paste for the treatment of inflammatory conditions of the skin. Siccolam is the culmination of a long series of investigations, and its dermatological value has been confirmed by extensive clinical trial. The conclusion has been reached (Brit. J. Derm. & Syph., June, 1941, p.177) that '... technical properties render this preparation superior to the many lotions, such as a calamine, zinc oxide lotion, etc., so commonly used ... hitherto for the same indications.'

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1 lb. „	7/6 each	1/3 each	11/3 each	12/6 each

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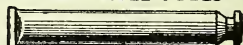
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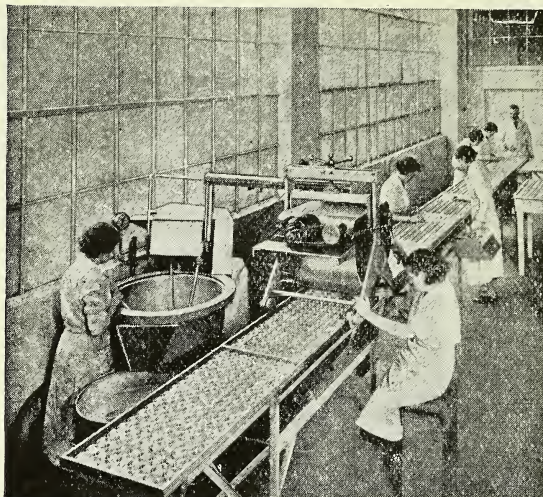
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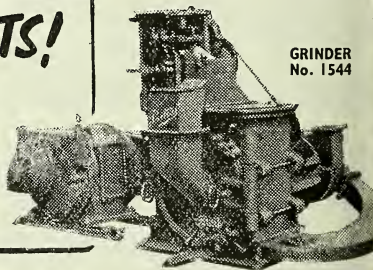
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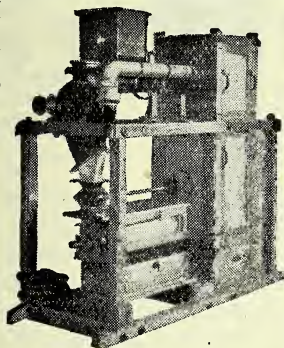
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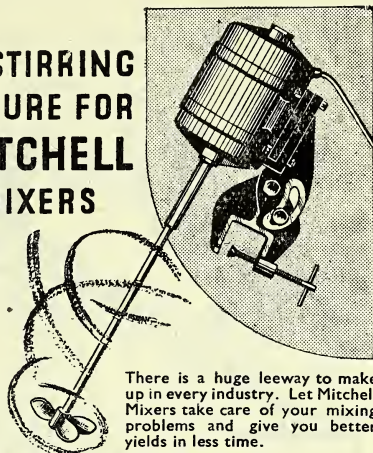
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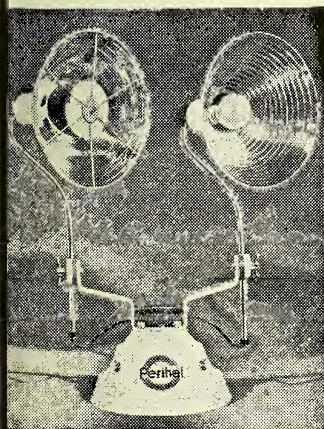
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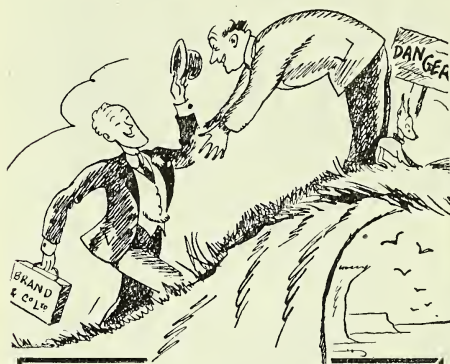
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Mineral Matter	2.7	Mg. per oz.	
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*With a .22 May be
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THE MOST CERTAIN METHOD IS RODINE

- (1) Reputable Chemists sell it.
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- (3) Rodine Phosphorus Rat Poison
hardly misses a rat. **PATA**

RODINE *Phosphorus*
RAT POISON

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*Do you
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No, we don't mean smoke
We mean something special
something so effective

simple that it soon becomes a
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We refer of course to

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LIQUID INHALANT

Mascot Laboratories, 55 South Methven St.
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We're three jolly sailormen
Three Salts shall we say,
Who stand for good health
In a natural way

Harley's Three Salts is packed in attractive tins
Retail at 1/10½, including purchase tax (8 oz. tins)
Write for particulars and terms.

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HARLEYS
Three **SALTS**



*How
MUCH
ARE
THESE
WORTH?*



*Thousands of Chemists
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RODINE
BEETLE & COCKROACH POISON

Are you taking advantage
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RODINE WORKS, PERTH, SCOTLAND

Laboratory Precision

FOR over thirty years, through the disruption of two world-wide wars, Laboratory-tested formulae and Laboratory-checked manufacturing processes have ensured the high standards of therapeutic efficacy of all I.C.C. products.

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Attractive metal propelling Cases, silver and coloured tops, are now being released in quantity for the first time since the war. Inquiries to
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Teething Rings, Surgeon's Finger Cots, Styptic Pencils, Finger Stalls, Cot Sheets, etc.

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Pharmaceutical preparation of pure Glycerine and Lemon Oil. In great demand. Packed 6 oz. bottles, retail 2/- inc. tax. Samples available.

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Screw caps 58 mm. size enamelled green complete with wads. 5000 gross available for quick sale at special price. 626/571 C. & D. London Office.

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

SEPTEMBER 29
1945

revalling restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 1/- extra

SITUATIONS OPEN

16 for 40 words or less 2d. for every additional word.

one of the vacancies in these columns relates to a position between the ages of 18 and 50 inclusive or a position between the ages of 18 and 40 inclusive unless the candidate is excepted from the provisions of the Control of Employment Order, 1945, or the vacancy is for an employment excepted from the provisions of that Order.

RETAIL (HOME)

E. HOBBS, LTD., have a vacancy for an experienced qualified Pharmacist (experienced male or female considered) for dispensing. High-class clientele. The position is permanent, progressive, commanding an excellent salary. Apply with usual details to 72 Mount Pleasant, Bridge Wells.

ASHTON-UNDER-LYNE CO-OPERATIVE SOCIETY LTD.—Pharmacist required to manage branch; also Qualified Assistant for main premises. No Sunday or half-day holiday duties. Good prospects. Apply, giving full particulars, to "Radio," Stamford Street, Ashton-under-Lyne.

BIRMINGHAM. Pharmacist required. A vacancy occurs on the staff of Hedges (Chemists), Ltd., an experienced Pharmacist as manager of one of their branches. Permanent progressive position; salary offered. Selection will be by interview. Travelling expenses paid. A small flat is available required. Applications giving full details of experience and salary required to Hedges (Chemists), Ltd., 10-12 Dale End, Birmingham, 4.

BRISTOL.—Branch Manager, city business, either sex, fully qualified; permanency. Apply, giving age, qualifications, experience and salary required, to Johnston & Adams, Ltd., Chemists, 1, Beech Street.

EXPERIENCED Woman Assistant capable of developing new surgical apparatus section attached to Drug Department of big departmental business; good wages and prospects; near London. Apply, C. & D. London Office.

HAMPSTEAD.—Unqualified Assistant, either sex, required for high-class pharmacy. No Sunday or half-day duty. Apply, giving full particulars, to Messrs. 38 Heath Street, Hampstead, N.W.3.

LYTON, E.10. Qualified Lady required Dispensing and Counter (no Sundays or Half-day duty); hours 9 a.m. 6.30 p.m. Comfortable post for right applicant. Apply with all particulars to Messrs. C. & D. London Office.

LIVERPOOL. Experienced Assistant, qualified or unqualified. City centre. No Sunday duty; day Saturday. R. & J. Herman, 3 Tithebarn Street, Liverpool, 2.

MANAGER for busy, medium-class Pharmacy in Slough. Three assistants kept. Good post for able person with initiative. No living accommodation available on premises. Apply, H. C. Brailey, 1, Queen's Road, Watford.

NOTTINGHAM.—Manager wanted for Retail Pharmacy immediately. Must be M.P.S. charge prospects for energetic man. Salary £9 a week. Ex-Service preferred. Applications by letter stating age and qualifications to Messrs. Warren & Sons, Solicitors, Weekday Cross, Nottingham.

OLDHAM CO-OPERATIVE CHEMISTS, LTD., invite applications from Pharmacists for the position of Branch Manager; permanency; superannuation scheme. Applications, stating age, experience, etc., to be forwarded to Oldham Co-operative Chemists, Ltd., King Street, Oldham.

ORRIDGE & CO., Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from all employers seeking Qualified Staff, especially for London and Southern Counties, excluding women between the ages of 18 and 41. Terms on application. **PHARMACIST** required as Branch Manager in West London Suburb. A progressive position and available accommodation. Particulars in confidence to 628/610, C. & D. London Office.

QUALIFIED Manager, lady or gentleman, for city business. Lock-up shop. Saturday half-day. Hours 8.30 to 5.30. Please give full particulars in first letter, and state salary required. W. E. Partridge, 431 Gloucester Road, Bristol, 7.

QUALIFIED Pharmacist required as Manager; previous experience as Manager not essential. Good prospects and permanent position. Commencing salary £350 plus bonus. State age, experience, qualifications and when available, to Eric Holloway (Chemist), Ltd., Windmill House, Cradley Heath.

QUALIFIED Pharmacist Manager (male or female) urgently required by old-established family chemists; North-west Lancashire coast town; varied work; good wages. Apply, stating age, experience, and salary required, to 626/549, C. & D. London Office.

ROYAL ARSENAL CO-OPERATIVE CHEMISTS, LTD., invite applications from qualified pharmacists for the position of Manager; unqualified Assistants also required; good prospects and holidays with pay. Apply, in writing, stating age, experience, and salary required, to the Superintendent Chemist, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

SEVERAL Pharmacists of good experience and address are required by London Co-operative Chemists, Limited, for permanent and progressive positions in the London and Suburban areas. There is also a vacancy for a Chemist Optician which has splendid prospects. Applications, giving full particulars, to Manager, London Co-operative Chemists, Limited, 54 Marlband Street, Stratford.

TIMOTHY WHITES & TAYLORS require Managers in London, Leicester, Rickmansworth, Romsey. Permanencies. Good conditions and wages. Apply to Retail Staff Manager, Timothy Whites & Taylors, Ltd., 70 Vauxhall Bridge Road, S.W.1. Phone: Victoria 8422.

UNQUALIFIED lady Assistant wanted; dispensing experience not essential. Small good-class retail business, Finchley district. Proberts, Ltd., 1181 Finchley Road, N.W.11.

WANTED, by doctors in partnership practice, Dispenser-book-keeper. State experience. 627/609, C. & D. London Office.

WANTED, Qualified Chemist as Manager for good-class country business. Help given. State age and salary required, with references. Wilson, Chemist, Launceston, Cornwall.

WANTED urgently, young Qualified Assistant. Good-class business, good salary; old established; short hours; healthy town. Apply, Wm. Hooper & Co., Chemists, Letchworth.

WANTED early in October in Midland practice of three doctors, private and panel, a lady Dispenser-book-keeper with experience. Apply with recent references to Drs. Clapperton, Purdy and Reed, 40 Melton Road, Oakham, Rutland.

WANTED, Qualified Manager for S.E. London pharmacy, must have good experience in all branches, particularly medical and surgical products, full control and capable of buying. Easy hours and generous salary. Phone: Tideway 1389 or write: Atkinson, 285 Brockley Road, S.E.4.

WELWYN GARDEN CITY. Pharmacist wanted as Buyer and Superintendent for dispensaries of Welwyn Stores (1929), Ltd. Please apply, stating age, qualifications, experience, and salary required, to Staff Manager, Welwyn Stores (1929), Ltd., Welwyn Garden City.

RETAIL (COLONIAL)

WOMAN Pharmacist for India, wanted, on a five years' agreement, for the Lady Hardinge Medical College and Hospital for Women, New Delhi, a well-qualified Pharmacist to take charge of the Dispensary, train Indian girls in dispensing and to lecture third-year medical students in Pharmacy; age not above 34 years; salary Rs. 450-25-600 per mensem (£405 to £540 per annum), with furnished bungalow on payment of rent at 12 per cent. of pay; passage to and from India paid; furlough and Provident Fund benefits. Replies to be addressed to: Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

WHOLESALE

AGENTS required to introduce new advertised products to wholesale and retail chemists, stores, etc.; vacancies in all parts except South Wales and London. 624/507, C. & D. London Office.

AGENTS required for all districts to handle new insecticide. 627/594, C. & D. London Office.

COUNTER Hand (man or woman), with some experience of Drugs, required by leading London house; good wages and good hours. Reply, with the usual particulars and wages required, to 626/553, C. & D. London Office.

FIRST-CLASS Representative required by Manufacturers of high-class Perfumed Soapless Concentrate (for the hair). South of England, West of England, East Anglia, Midlands, North of England and Scotland. Applications only considered from men of stability and initiative with established connexion amongst Departmental Stores, Co-ops., Hairdressers and Chemists. Apply, giving full details of experience, references and area covered, on commission basis only. 627/591, C. & D. London Office.

GELATINE House of repute requires Representatives, with established connexions amongst wholesale and retail chemists and druggists, chemical and pharmaceutical manufacturers, bacteriological laboratories, etc., in London and some other parts of the British Isles, to sell Edible Gelatines on commission or salary basis (by arrangement). Apply with full particulars to 625/520, C. & D. London Office.

HEAD of Medical Propaganda Department required immediately by prominent Manufacturing Chemists. Only gentleman with experience in handling staff and medical propaganda should apply, giving full particulars of salary required. Apply, first in writing, to Box 758A, Smiths', 100 Fleet Street, E.C.4.

IMPORTANT firm of Manufacturing Chemists require Organic Chemists and Laboratory Assistants for research and development of pharmaceutical chemicals. Positions progressive and permanent. Excellent opportunity for those interested in chemotherapy. Salary according to qualifications and experience. Applications treated confidentially. Full details and present salary to 627/608, C. & D. London Office.

MANUFACTURING Chemist, fully Qualified, required to organise and supervise a Department, knowledge of veterinary products essential. 627/587, C. & D. London Office.

MANUFACTURERS of exceptionally attractive and saleable Pharmaceutical Specialities require Sole Agents for the following areas: (1) Midland Counties, (2) Eastern Counties, (3) Northern Counties (4) Dorset, Wilts, Somerset, Devon, Cornwall (5) Berks, Bucks, Beds, Herts, Gloucester, (6) South and Mid Wales. Existing accounts will be passed over. Applications will only be considered from men of stability and initiative, having established connexions amongst Retail, Wholesale, Co-ops., and Stores. Agents carrying more than two lines will not apply. Good commission given and substantial incomes guaranteed to the selected applicants. Full particulars and references required and given to 627/601, C. & D. London Office.

MIDLAND Manufacturing Chemists require Unqualified Assistant for their general laboratory. Write, stating age and experience, to 624/477, C. & D. London Office.

PERFUMERY and Cosmetic Manufacturers (London) require thoroughly experienced Wholesale Manager. Commencing salary £750; excellent prospects with growing concern. 627/607, C. & D. London Office.

PHARMACIST, qualified, wanted by firm Manufacturing Chemists to take charge of a Department for the manufacturing of proprietary medicines. Permanent position with prospect of promotion. Salary according to qualifications and experience. State age, previous situations, etc., to 628/614, C. & D. London Office.

PROCESS Worker (male) wanted for Drug and Galenical Laboratory. State age, experience, reference, and salary required to Messrs. Newsholme Ltd., 27 High Street, Sheffield.

SIX first-class Commission Representatives required for London and Home Counties. Quality products in big demand. Reasonable supplies. Excellent remunerations, and big future prospects. 627/606, C. & D. London Office.

STURTON & SONS, LTD., Wholesale and Retail Chemists, 78 Bridge Street, Peterborough, have vacancies for the following staff: Qualified Chemist Accountant or Senior Clerk, up to Trial Balance Charge Hand for Packing Department; male or female, exempt National Service; good salaries a post-war prospect. Apply by letter, stating age, experience, and salary required, to J. W. Fowl Managing Director.

TABLET Maker and Coater wanted by Manufacturing Chemists, Midland district. State full particulars of experience and age to 624/477, C. & D. London Office.

TABLET Maker and Coater to take charge of Tablet Room required by well-known Manufacturing Chemists in Lancashire. Give details of experience, age and salary required. Permanent and well-paid position for suitable applicant. 627/588, C. & D. London Office.

TABLET Maker required immediately. Good wages. 5-day week. 627/583, C. & D. London Office.

VACANCIES now exist in well-established Company engaged in the manufacture of organic chemicals of chemotherapeutic nature; the laboratories are situated in Central London area; the following grades are required: (1) Qualified Chemist B.Sc., standard, industrial experience in organic manipulation an advantage, but not essential; (2) Assistant Chemists, Inter. B.Sc., standard. Box 21 New Era Advertising, 107 Fleet Street, E.C.4.

WANTED, Salesmen, good connexions with wholesale and retail chemists, and co-operative societies, to handle attractive lines. 623/466, C. & D. London Office.

WELL-KNOWN firm of Baby Powder Manufacturers require Agents for London and Home Counties. 628/613, C. & D. London Office.

WHOLESALE (COLONIAL)

ANALYTICAL Chemist, qualified, required as Assistant in Assay Office by British-owned firm in South America. Write stating qualifications and salary required. K. S., c/o J. W. Vickers & Co., Ltd., 7-8 Great Winchester Street, E.C.2.

REQUIRED. Qualified Chemist for overseas Wholesale Chemist Department, with full knowledge of wholesale organization and knowledge preparing preparations in laboratories. 627/585, C. & D. London Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

FULLY Qualified Chemist-Optician (33 years), exempted, good appearance and address, rctious, pleasing personality, keen salesman, London and West End experience, desires a pharmacy with view to partnership or ownership, scientific and obliging; will travel anywhere if fancy suitable. 627/590, C. & D. London Office.

P.S. experienced all branches, desires position as Manager; disengaged four weeks from engagement. M.P.S., 626/559, C. & D. London Office.

PHARMACIST Manager (36) seeks position; Midland area; good experience; interview desired; details in confidence. 626/568, C. & D. London Office.

UNQUALIFIED (30), single, desires change; 14 years' experience retail, wholesale manufacturing; South Midlands preferred; excellent references; please state salary. 623/468, C. & D. London Office.

WHOLESALE

FIRST-CLASS Medical Representative, excellent connexion; Lanes, Cheshire, North Wales, seeks appointment with reputable house. 625/529, C. & D. London Office.

SC. PHARMACEUTICS (1945) requires responsible position with manufacturing firm. Please state salary and prospects. 625/539, C. & D. London Office.

CHEMIST (Purchasing Officer) interested in position as Buyer, or Supply Manager, Industrial Pharmaceutical Chemicals, allied Materials, all Laboratory Supplies, experience also in Stores retail, staff and office organisation. 628/612, C. & D. London Office.

ENERGETIC Representative with excellent up-to-date chemists' connexion, London and Home Counties (north of Thames), seeks permanent appointment with reputable firm who will appreciate hard work, good representation and really first-class sales. Free now. Stewart, Fourteen, Portsdown, Fareham, Hants.

GENTLEMAN (30), experienced in Buying, Sales and General Office routine, seeks senior position in firm manufacturing Proprietary Medicines, willing to go abroad. 627/604, C. & D. London Office.

PHARMACEUTICAL Chemist, F.R.I.C., with wide knowledge of analytical control and formulation medicinal preparations, seeks position with a suitable firm. Conversant with the most modern methods in medicine and pharmacy. 626/557, C. & D. London Office.

REPRESENTATIVE offers first-class long-established connexion in Kent, Surrey and Sussex for remuneration full time with House of repute; car. 627/600, C. & D. London Office.

REPRESENTATIVE desirous of more progressive post open for engagement with good use of repute. First-class connexion Wholesale Retail Chemists, Scotland. Particulars to 589, C. & D. London Office.

WANTS change. Experience general Company Management, Accounts, Stock Control, Statistics, Financial Accounting. Permanency; minimum salary £700 p.a. 627/581, C. & D. London Office.

SALES Manager now employed by large Manufacturing Chemists supplying Wholesale and Retail traders with own packed medicinal products, desires similar position with progressive House. Many years practical experience. Established personal connexion in Lanes with Chemists, Herbalists, Grocers, etc. Terms should be based on minimum remuneration of £1,000 per annum. J.S.R., 627/602, C. & D. London Office.

UNQUALIFIED Assistant (40), just released Army, several years' experience retail trade and work with medical practitioners, also office experience, seeks position with Manufacturing or Wholesale Chemists. 628/611, C. & D. London Office.

APPOINTMENTS

ASSISTANT Pharmacist, or Dispenser with Hall qualification and some experience in hospital dispensing, wanted for the West Suffolk General Hospital, Bury St. Edmunds. Apply, with copies of references, to the Secretary.

CHERRY KNOWLE E.M.S. HOSPITAL

RYHOPE, CO. DURHAM

Applications are invited for the post of Assistant-Dispenser—Apothecary Hall qualifications, commencing salary £145 per annum, advancing after twelve months' satisfactory service to £155 per annum, plus residential emoluments (or appropriate allowance) and cost-of-living bonus. Applications, giving age, education, and full particulars of experience, with copies of testimonials, to the Town Clerk, Sunderland, by October 6, 1945.

EXPORT TRADE

AGENCY or Distributorship in India of products saleable through Chemists and Druggists, desired by United Medical Stores, Ltd., 16 Bonfield Lane, Calcutta. Telegraphic address, "Unimedisto." Bankers, Mercantile Bank of India, Ltd. References from May & Baker, Ltd., Dagenham, London; Burgoyne Burbidges, Co., Ltd., Eastham, London; Dakin Bros., Ltd., 44-50 Southwark St., London, S.E.1.

EXPORT TO SWEDEN. Financially strong Importers with extensive distribution possibilities desire contact with competitive exporters, finished and unfinished chemical products, cosmetic articles, sanitary articles, bakelite products, and other suitable articles in this line. Sole Distribution rights preferred. First-class references. Svenska Product Trading, Stockholm 28, Sweden.

LONDON EXPORTERS with agencies in many overseas markets desire to get in touch with Manufacturers who wish to develop their export trade. G. & W. Field, Ltd., 44 Theobalds Rd., W.C.1.

MIDDLE East.—Influential Egyptian firm wish contact firm of first-class Chemists, also Beauty Product Manufacturers, view acting their Agents Near East. Representative available London for discussions. 627/584, C. & D. London Office.

PARISIAN Firm, well introduced amongst Chemists and Wholesale Druggists in France, would accept Sole Agency for France of well-known English Pharmaceutical Products and Patent Medicine. Correspondence in English. Write first letter to C. H. Frankel, 32 Elvaston Place, London, S.W.7.

PHILADELPHIA'S leading Sales Organisation is open to take up a few druggist sundries, toilet preparations, cosmetics, etc. First-class Bank and Trade references. Only firms with goods of high repute must be considered. William George Scott Sales Agency, 4001 Walnut Street, Philadelphia, 4 PA., U.S.A.

SWITZERLAND.—Old-established Swiss Firm offers its services to factories of Pharmaceutical Preparations wishing to exploit the manufacture or to handle sales in Switzerland. Good and old connexions with Physicians, Chemists, Hospitals. Write "H.B.," c/o J. W. Vickers & Co., Ltd., 7-8 Gt. Winchester Street, E.C.2.

AGENCIES*7/6 for 36 words or less, 2d. for every additional word.*

EIRE post-war development. Keen, progressive Sales Distributor, ten years' personal contact all Chemists in Eire, open to consider high-class Chemists lines; highest references; bank guarantee. Reply in confidence 627/599, C. & D. London Office.

LONDON Manufacturing Chemists marketing high-class Pharmaceutical Preparations, now appointing Provincial Agents, invite inquiries from Distributing Firms and gentlemen desiring additional lines; generous commission. 627/592, C. & D. London Office.

NORTHERN Ireland.—Firm of Manufacturers' Agents with three Travellers covering Drug and Allied Trades desire additional good-class Agency. No clashing lines carried. Best possible representation assured. 627/580, C. & D. London Office.

THE JOHNSON AGENCIES (PTY.) LTD., of Clarendon Works, Clarendon Road, Croydon, Surrey, are prepared to accept two (2) more products for complete distribution to the pharmaceutical trade. Only first-class products are required (either pharmaceutical or toilet); only sole Agencies would be considered, for which in return complete distribution would be given. Only products that do not compete with existing agencies considered. Our Export company is also prepared to handle further products. Please write direct to Managing Director.

WHOLESALE Distributors, with powerful Sales Force covering the whole of United Kingdom, and with extensive connexion amongst chemists, co-operative and departmental stores, seek additional lines suitable for their trade; either quota or non-quota; financial aid offered if desired to market lines. Apply, 623/463, C. & D. London Office.

WANTED*7/6 for 36 words or less, 2d. for every additional word.*

CALMITOL OINTMENT. Wanted a small supply. Particulars to 627/606, C. & D. London Office.

CASH Registers, National, Renington and Gledhill. Refrigerators, Safes, Scales, Shop Equipment, etc. Purchased Cash on Sight; sold, exchanged, repaired. Amalgamated Business Machines, Ltd., 64 Mortimer Street, Oxford Circus, W.1. Phone: MUSeum 0941.

NESTS of Seedsmen's or Chemists' Drawers wanted. Offers to Sowerbutts, Ltd., Ashton-under-Lyne.

POWDER Filling Machine wanted. Send full details and prices to 627/596, C. & D. London Office.

SHAVING Powder required (in bulk). 627/595, C. & D. London Office.

URGENTLY required, Gardner Rapid Sifter, and Mixer, Electric Power; state capacity and price. 627/597, C. & D. London Office.

WANTED, Mixer and Granulator to take from 56 to 80 lb., not Werner type; also Oscillating Granulator. Full particulars and price to W.M., 271 Wakefield Road, Huddersfield.

WANTED 4-oz. screw cap swan neck medicals and ribbed ovals. 1-oz. and 2-oz. squat white flint jars complete with caps. Box. No. 416, Dorland, 18-20 Regent Street, S.W.1.

WANTED, 3-oz. Bottles (bulk) Liquid Paraffin; Saccharin Tablets (bulk); Cellophane Bags, plain or coloured, to hold 1-lb. Salts (satchel type). "D." 9 Norfolk Place, London, W.2. Pad. 2714.

8-OZ. Plain Medicals, 8-oz. ribbed Ovals, 2-2½-oz. Panels; divisioned cartons to hold any of these. Samples and prices to S. Tatlow & Co., Ltd., Eckington, Sheffield.

BUSINESS OPPORTUNITIES*7/6 for 40 words or less, 2d. for every additional word.*

AN excellent prospect to qualified, demobbed discharged Service man or woman, to manage Branch Pharmacy on partnership basis or success (London area); early appointment desirable to discuss details. 625/527, C. & D. London Office.

HIGHLY-ORGANISED Thames-side Warehouse, and Transport Company, in central position, offers comprehensive facilities, including packing, re-distribution, and showroom service inquiries welcomed for any relevant operation; exclusive quotations given. Swan Wharf, Upper Thames Street, E.C.4.

MANUFACTURER with some thousands of liaisons accounts and travellers covering British Isles personally connected with Chemists, Hairdressers, Wholesalers, Co-ops, and Stores, would like to get touch with other Manufacturer of high-class lin suitable Drug and Perfumery departments, with view of distribution, buying or commission basis. 627/600, C. & D. London Office.

MEDICAL Representation.—Prominent Firm of Manufacturing Chemists (ethical) have first-class medical propaganda department covering the whole of the country, are prepared to introduce not more than three ethical preparations to the medical profession, subject to their being more competitive with own preparations. Write, in confidence, to 627/582, C. & D. London Office for terms and particulars.

THE exigencies of war has caused small well-known firm trading Drugs, Seeds, Spices, Essential Oils to desire amalgamation or close business arrangement with firm having similar ideas. Good premises about 4,500 ft. close to City London and Docks. Write "M. G." c/o Streets, 110 Old Broad Street, E.C.2.

VERY well-known Distributors are open for one more product for distribution to the trade only a product that does not clash with existing agencies would be accepted; advertisers have a complete coverage throughout the British Isles, and an export business. Write 623/445, C. & D. London Office.

BUSINESSES WANTED*7/6 for 40 words or less, 2d. for every additional word.*

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